

FORM PTO-1619A/B

U.S. Department of Commerce
Patent and Trademark Office
PATENTRECORDATION FORM COVER SHEET
PATENTS ONLYCustomer No.: 23696
Attorney Docket No.: 030560

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. Yongbin Wei
2. Edward G. Tiedemann, Jr.
3. Peter Gaal
4. Durga P. Malladi

EXECUTION DATE

Month, Day, Year (MMDDYYYY)

07/29/2004
 07/28/2004
 07/29/2004
 07/29/2004

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: Patent Department

Telephone Number: (858) 651-4404

Facsimile: (858) 658-2502

Address: 5775 Morehouse Drive

Address: San Diego, California 92121-1714

Pages (Enter the total number of pages including the Recordation Sheet)

Total number of pages: 5

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. 10/781,285
- 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: 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$400.00

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

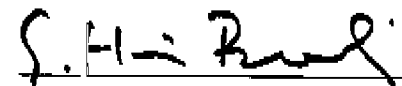
Statement and Signature

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: August 17, 2004

Name: S. Hossain Beladi, Reg. No. 42,311
 (858) 651-4470

Signature:



FOR OFFICE USE ONLY

PATENT

U.S. Department of Commerce
Patent and Trademark Office
PATENTRECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

Attorney Docket No.: 030560

ENTER ADDITIONAL CONVEYING PARTIES:

NAME	EXECUTION DATE Month, Day, Year (MMDDYYYY)
5. David Puig Osés	07/29/2004
6. Sandip Sarkar	07/29/2004
7. Stein Lundby	07/29/2004
8. Tao Chen	07/29/2004
9. Avinash Jain	07/29/2004
10. Aleksandar Damnjanovic	07/29/2004
11. Serge Willenegger	08/02/2004
12.	
13.	
14.	
15.	
16.	
17.	
18.	
19.	
20.	

Enter additional Receiving Party(ies):

Name:

Address (Street number and name):

Address (City, State, Zip Code):

Name:

Address (Street number and name):

Address (City, State, Zip Code):

Application Number(s) or Patent Number(s)

Patent Application Number(s):

Patent Number(s):

5.
6.
7.
8.
9.5.
6.
7.
8.
9.

ATTORNEY DOCKET NO. 030560

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 **Yongbin Wei**, a citizen of China having a place of residence at **12140 Brickellia St., San Diego, California, 92129**; **Edward G. Tiedemann, Jr.**, a citizen of the United States of America having a place of residence at **656 Barretts Mill Road, Concord, Massachusetts 01742**; **Peter Gaal**, a citizen of Hungary having a place of residence at **9515 Easter Way, #6, San Diego CA 92121**; **Durga P. Malladi**, a citizen of India having a place of residence at **11983 Briarleaf Way, San Diego, California, 92128**; **David Puig Oses**, a citizen of Spain having a place of residence at **3103 Natchez Avenue, San Diego, California, 92117**; **Sandip Sarkar**, a citizen of India having a place of residence at **9414 Galvin Avenue, San Diego, CA 92126**; **Stein Lundby**, a citizen of Switzerland having a place of residence at **716 North Granados Avenue, Solana Beach, California 92075**; **Tao Chen**, a citizen of the United States of America having a place of residence at **7826 East Roseland Drive, La Jolla, CA 92037**; **Avinash Jain**, a citizen of India having a place of residence at **5235 Fiore Terrace, C-118, San Diego, California 92122**; **Aleksandar Damnjanovic**, a citizen of Yugoslavia having a place of residence at **8540 Costa Verde Blvd, Apt. 4335, San Diego, California 92122** and **Serge Willenegger**, a citizen of Switzerland having a place of residence at **Vignes-Lessous, 1425 ONNENS, Switzerland**, 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:

EXTENDED ACKNOWLEDGEMENT AND RATE CONTROL CHANNEL

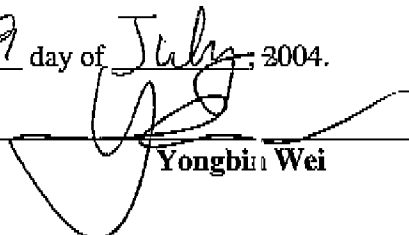
by us devised and the application for United States Patent therefore filed in the United States

ATTORNEY DOCKET NO. 030560

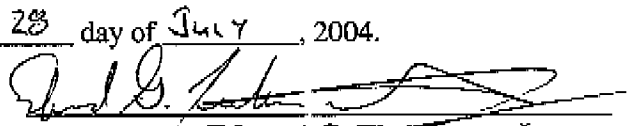
Patent and Trademark Office on February 17, 2004, and assigned Serial No. 10/781,285, including, without limitation, all provisional patent applications, including, without limitation, all provisional patent applications including Provisional Serial No. 60/493,046, filed August 5, 2003 and Provisional Serial No. 60/496,297, filed August 18, 2003 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.

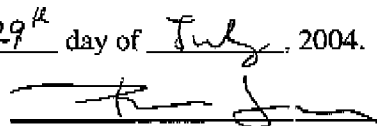
Done at San Diego, California this 29 day of July, 2004.


Yongbin Wei

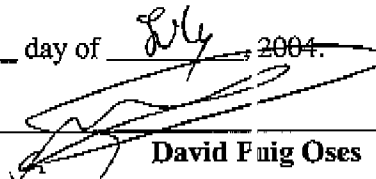
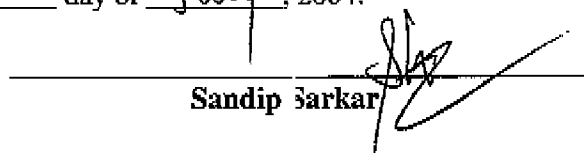
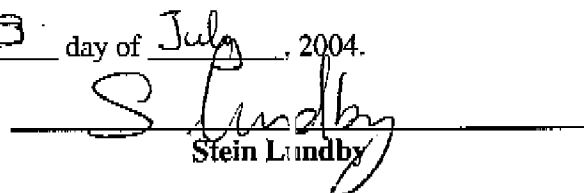
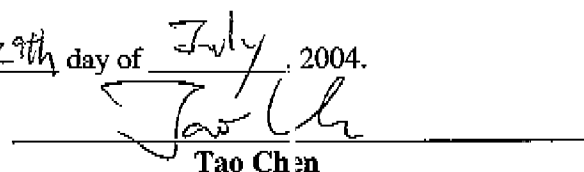
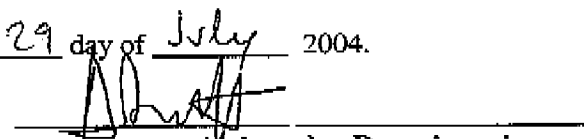
Done at San Diego, California this 28 day of July, 2004.


Edward G. Tiedemann, Jr.

Done at San Diego, California this 29th day of July, 2004.


Peter Gail

ATTORNEY DOCKET NO. 030560

Done at San Diego, California this 29 day of July, 2004.**Durga F. Malladi**Done at San Diego, California this 29 day of July, 2004.**David Puig Oses**Done at San Diego, California this 29 day of July, 2004.**Sandip Sarkar**Done at San Diego, California this 29 day of July, 2004.**Stein Lundby**Done at San Diego, California this 29th day of July, 2004.**Tao Chen**Done at San Diego, California this 29th day of July, 2004.**Avinash Jain**Done at San Diego, California this 29 day of July, 2004.**Aleksandar Damnjanovic**

ATTORNEY DOCKET NO. 030560

Done at Onnens, Switzerland this 2nd day of August, 2004.



Serge Willenegger