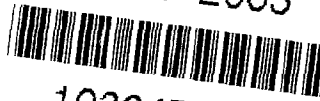


07-26-2005



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U.S. Department of Commerce  
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PATENT

FORM PTO-1619A/B

7-19-05

RE/

Attorney Docket No.: 040182

TO: The Commissioner of Patents and Trademarks: Please record the attached original \_\_\_\_\_ or copy(ies).

Submission Type

- New
  - Resubmission (Non-Recordation)
  - Correction of PTO Error
  - Corrective Document
- Document ID No. \_\_\_\_\_  
Reel No. \_\_\_\_\_ Frame No. \_\_\_\_\_  
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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)

Michael H. Anderson	06/09/2005
Dan Minglun Chang	06/09/2005
Geoffrey Shippee	07/18/2005
Rajat R. Dhawan	06/20/2005

Receiving Party(ies)  Mark if additional names are attached

Name: QUALCOMM Incorporated  
A Delaware Corporation  
Address: 5775 Morehouse Drive  
Address: San Diego, California, 92121-1714

Correspondence Name and Address

Name: QUALCOMM Incorporated (PTO Customer No. 23696) Telephone Number: (858) 651-1179  
Attn: Patent Department 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: 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:

Patent Application Number(s): 11/086,474	Patent Number(s):
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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 (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: 7/19/05  
Name: Timothy F. Loomis, Reg. No. 37,383  
858-845-8355

Signature: *Timothy F. Loomis* 44999  
For Tim Loomis

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07/25/2005 GTDN11 00000130 170026 11086474  
01 FC:8021 40.00 DA

40E

PTO AND CUSTOMER VER 1.6 20020001

**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

**Michael Hugh Anderson**, a citizen of the United States having a place of residence at 1091 Hymettus Avenue, Leucadia, Ca 92024;

**Dan Minglun Chuang**, a citizen of the United States having a place of residence at 13113 Sierra Mesa Road, San Diego, Ca 92129;

**Geoffrey Shippee**, a citizen of the United States having a place of residence at 2035 Avila Ct., La Jolla, Ca 92037, and

**Rajat Rajinderkumar Dhawan**, a citizen of India having a place of residence at 9928 Kika Court, #2818, San Diego, Ca 92129;

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:

**TILED PREFETCHED AND CACHED DEPTH BUFFER**

by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on March 21, 2005, and assigned Serial No. 11/086,474, 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 9 day of June, 2005.

  
\_\_\_\_\_  
Michael Hugh Anderson

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
Dan Minglun Chuang

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
Geoffrey Shippee

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
Rajat Rajinderkumar Dhawan

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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 \_\_\_\_\_, 2005.

\_\_\_\_\_  
Michael Hugh Anderson

Done at San Diego, California this 9<sup>th</sup> day of June, 2005.

  
\_\_\_\_\_  
Dan Minglun Chuang

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
Geoffrey Shippee

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
Rajat Rajinderkumar Dhawan

ATTORNEY DOCKET NO. 040182

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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 \_\_\_\_\_, 2005.

\_\_\_\_\_  
Michael Hugh Anderson

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
Dan Minglin Chuang

Done at San Diego, California this 18 day of July, 2005.

\_\_\_\_\_  
Geoffrey Shippee

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
Rajat Rajinderkumar Dhawan

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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 \_\_\_\_\_, 2005.

\_\_\_\_\_  
**Michael Hugh Anderson**

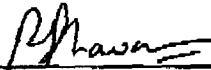
Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
**Dan Minglun Chuang**

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2005.

\_\_\_\_\_  
**Geoffrey Shippee**

Done at San Diego, California this 6 day of 20, 2005.



\_\_\_\_\_  
**Rajat Rajinderkumar Dhawan**