

08-01-2002

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Attorney Docket No.: 020311

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.

7-17-02

Conveyance Type

- Assignment
- Change of Name
- License
- Merger
- Security Agreement
- Other: _____

JC971 U.S. PTO
10/199758



Conveying Party(ies) Mark if additional names are attached

NAME

EXECUTION DATE

Month, Day, Year (MMDDYYYY)
07/12/2002

Amr Fahim

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)
Attn: Patent Department
Address: 5775 Morehouse Drive
Address: San Diego, California 92121-1714

Telephone Number: (858) 651-1179
Facsimile: (858) 658-2502

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

Total number of pages: two

Application Number(s) or Patent Number(s)

10,199758

If this document is being filed together with a new application, the execution date of the application is: July 17, 2002

Patent Application Number(s):

Patent Number(s):

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: 7/17/02

Name: George C. Pappas, Reg. No. 35,065
858-651-1306

Signature:

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07/31/2002 LMUELLER 00000100 170026 10199758

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ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to me in hand paid, receipt of which is hereby acknowledged, be it known that I

1. **Amr Fahim**, a citizen of Canada having a place of residence at

871 - Stevens Ave, #1301, Solana Beach CA;

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 **SIGMA-DELTA MODULATOR CONTROLLED PHASE LOCKED LOOP WITH A NOISE SHAPED DITHER** by me devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office **herewith**, 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 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 12th day of July, 2002.



Amr Fahim