FORM PTO-1619A/B	06-20-2001	U.S. Department of Commerce

FORM PTO-1619A/B

U.S. Department of Commerce
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PATENT

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101751464

Attorney Docket No.: 990437

TO: The Commissioner of Patents and Trac.   ment(s) or copy(ies).

Submission Type	**Conveyance Type**
☒New	☒Assignment
☐Resubmission (Non-Recordation)	☐Change of Name
Document ID No.	☐License
☐Correction of PTO Error	☐Merger
Reel No. Frame No.	☐Security Agreement
☐Corrective Document	☐Other:
Reel No. Frame No.	

6/6/01

Conveying Party(ies)   ☐Mark if additional names are attached

NAME

EXECUTION DATE
Month, Day, Year

1. Judith LaRocca	3.	Jeffrey A. Levin	1. June 6, 2001 3. June 6, 2001
2. A. Chris Irvine			2. June 6, 2001

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

09/876787

Correspondent Name and Address
Name: QUALCOMM Incorporated
          Attn: Sarah Kirkpatrick, Manager, Intellectual Property Administration
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: 1

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):	**Patent Number(s):**
1. UNASSIGNED	1.

Patent Cooperation Treaty (PCT)
(Enter only if a U.S. Application Number has not been assigned)

1. PCT/	2. 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): $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: June 6, 2001

Signature: _____
Name: Sandip (Micky) S. Minhas
Registration No. 44,945

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PATENT
REEL: 011895 FRAME: 0629

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, **JUDITH LaROCCA**, a citizen of the United States, having a place of residence at 4603 Telescope Avenue, Carlsbad, CA 92008, **A. CHRIS IRVINE**, a citizen of the United States, having a place of residence at 32088 Taliesin Way, Bonsall, CA 92003, and **JEFFREY A. LEVIN**, a citizen of the United States, having a place of residence at 13063 Harwick Lane, San Diego, CA 92130; 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:

APPARATUS AND METHOD FOR DECODING AND COMPUTING A DISCRETE COSINE TRANSFORM USING A BUTTERFLY PROCESSOR

by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **June 6, 2001**, and assigned Serial No. _____ (and we hereby authorize Qualcomm, Inc. to insert the serial number herein, once assigned), including, without limitation, all provisional patent applications, including Serial No. **60/291,467**, filed **May 16, 2001**, and all original and reissue patents granted thereof, and all divisions, and continuations 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.
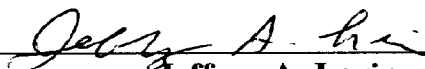
Done at San Diego, California this __6ᵗʰ__ day of __June__, 2001.

_____
Judith LaRocca

Done at San Diego, California this __6ᵗʰ__ day of __June__, 2001.

_____
A. Chris Irvine

Done at San Diego, California this __6ᵗʰ__ day of __June__, 2001.

_____
Jeffrey A. Levin