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Attorney Docket No.: 020013

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Conveyance Type

- ☒ Assignment
☐ Change of Name
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☐ Security Agreement
☐ Other: _____

J1050 U.S. PTO
 10/305587
 11/27/02

Conveying Party(ies)

NAME

m2p 11/27/02

☐ Mark if additional names are attached

EXECUTION DATE

Month, Day, Year
 November 27, 2002

1. Alok Kumar Gupta
 2.

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

Telephone Number: (858) 651-1179

Attn: Sarah Kirkpatrick, Manager, Intellectual Property Administration

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: 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: November 27, 2002

Patent Application Number(s):

1. 10305587

Patent Number(s):

1.

Patent Cooperation Treaty (PCT)

(Enter only if a U.S. Application Number has not been assigned)

1. PCT/

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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: November 27, 2002

Signature:

Name: Sandip (Micky) S. Minhas

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Page 1 of 1

PATENT
 REEL: 013538 FRAME: 0064

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, **ALOK KUMAR GUPTA**, a citizen of India, having a place of residence at 3421 Camino Alegre, Carlsbad, California 92009, 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:

**METHOD AND APPARATUS FOR DETERMINING
THE LOG-LIKELIHOOD RATIO FOR TURBO CODES**

by me devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **November 27, 2002**, and assigned Serial No. _____ (and I hereby authorize and instruct **QUALCOMM Incorporated** to hereafter complete this Assignment by inserting the serial number in the space provided above when known), including, without limitation, all provisional patent applications, including Serial No. **60/334,363**, filed **November 29, 2001**, 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 that 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 November, 2002.



ALOK KUMAR GUPTA