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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Nischal Abrol
Marcello Lioy
Uppinder S. Babbar

Execution Date(s) 06/23/04; 06/16/04; 06/23/04

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: QUALCOMM INCORPORATED

Internal Address: _____

Street Address: 5755 Morehouse Drive

City: San Diego

State: California

Country: United States of America Zip: 92121-1714

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

10/805,157

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Kyong H. Macek, Reg. No. 42,977

Internal Address: Attn: Patent Department

Street Address: 5755 Morehouse Drive

City: San Diego

State: CA Zip: 92121-1714

Phone Number: 858-651-5797

Fax Number: 858-658-2502

Email Address: _____

6. Total number of applications and patents involved:

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
 Expiration Date _____

b. Deposit Account Number 17-0026

Authorized User Name Kyong H. Macek

9. Signature:


 Signature

Kyong H. Macek

Name of Person Signing

Aug. 3, 04
 Date

Total number of pages including cover sheet, attachments, and documents: 5

Documents to be recorded (including cover sheet) should be faxed to (703) 308-5995, or mailed to:
 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

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 **Nischal Abrol**, a citizen of India, having a place of residence at 7260 Calle Cristobal, #41, San Diego, CA 92126, **Marcello Lioy**, a citizen of Canada having a place of residence at 11929 Miro Circle, San Diego, CA 92131 and **Uppinder S. Babbar**; a citizen of India having a place of residence at 9454 Capricorn Way, San Diego, CA 92126 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 EFFICIENTLY RUNNING APPLICATIONS ON A WIRELESS COMMUNICATION DEVICE

by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **March 19, 2004**, and assigned Serial No. **10/805,157**, including, without limitation, all provisional patent applications, including Serial No. **60/493,928**, filed on **August 8, 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 23 day of June, 2004.



Nischal Abrol

Done at San Diego, California this _____ day of _____, 2004.

Marcello Lioy

Done at San Diego, California this _____ day of _____, 2004.

Uppinder S. Babbar

ATTORNEY DOCKET NO. 030389

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 _____, 2004.

Nischal Abrol

Done at San Diego, California this 16 day of JUNE, 2004.



Marcello Lloy

Done at San Diego, California this _____ day of _____, 2004.

Uppinder S. Babbar

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 _____, 2004.

Nischal Abrol

Done at San Diego, California this _____ day of _____, 2004.

Marcello Lioy

Done at San Diego, California this 23 day of June, 2004.

Uppinder S. Babbar
Uppinder S. Babbar