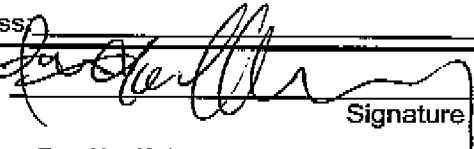


RECORDATION FORM COVER SHEET PATENTS ONLY	
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.	
1. Name of conveying party(ies)/Execution Date(s): Masakazu Shiota, August 17, 2004 Raymond Tah-Sheng Hsu, August 31, 2004 Execution Date(s) <u>August 17, 2004; August 31, 2004</u> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>QUALCOMM Incorporated</u> Internal Address: <u>ATTN: Patent Department</u> Street Address: <u>5775 Morehouse Drive</u> City: <u>San Diego</u> State: <u>California</u> Country: <u>United States of America</u> Zip: <u>92121-1714</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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5. Name and address to whom correspondence concerning document should be mailed: Name: <u>QUALCOMM Incorporated</u> Internal Address: <u>ATTN: Patent Department</u> Street Address: <u>5775 Morehouse Drive</u> City: <u>San Diego</u> State: <u>California</u> Zip: <u>92121-1714</u> Phone Number: <u>(858) 658-5787</u> Fax Number: <u>(858) 658-2502</u> Email Address: _____	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>17-0026</u> Authorized User Name <u>George J. Oehling</u>
9. Signature  _____ George J. Oehling; Reg. No. 40,471 Name of Person Signing September 1, 2004 Date Total number of pages including cover sheet, attachments, and documents: <u>4</u>	

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
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ATTORNEY DOCKET NO. 040022B1

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 **MASAKAZU SHIROTA**, a citizen of Japan a having a place of residence at 2002-1-2-304 Futoocho Kohokuku, Yokohamashi; Kanagawa, Japan 222-0032, and **RAYMOND TAH-SHENG HSU**, a citizen of the United States of America having a place of residence at 17775 Pennacook Court; San Diego, California 92127; 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 Providing a Service Threshold Indicator in a Wireless
Communication System**

by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **April 22, 2004**, and assigned Serial No. **10/830,770**, including, without limitation, all provisional patent applications, **including Serial No. 60/514,352 filed October 24, 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.

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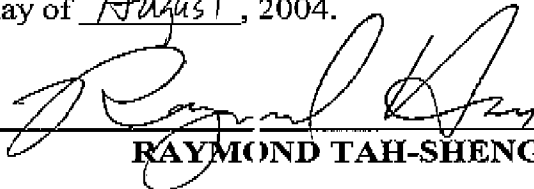
The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at Tokyo, Japan this 17 day of August, 2004.



MASAKAZU SHIROTA

Done at San Diego, California this 31 day of August, 2004.



RAYMOND TAH-SHENG HSU