From-QUALCOMM AF-210A T-692 P 002/004 858-845-2550 F-894 U.S. Department of Commerce Patent and Trademark Office RECORDATION FORM COVER SHEET PATENT PATENTS ONLY TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies). Attorney Docket No.: 050833 Conveyance Type Resubmission (Non-Recordation) \boxtimes Assignment Document ID No. Change of Name Correction of PTO Error License Reel No. 7Merger Frame No. Corrective Document Security Agreement Reel No. ☐Other: ____ Frame No. Conveying Party(ies) Mark if additional names are attached NAME EXECUTION DATE 1. Ravi Palanki Month, Day, Year (MMDDYYYY) 2. Aamod Khandekar 03/07/2006 3. 03/10/2006 4. Receiving Party Name: QUALCOMM Incorporated Mark if additional names are attached 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 Aitn: Patent Department Telephone Number: (858) 658-5787 Address: 5775 Morehouse Drive Facsimile: Address: San Diego, California 92121-1714 (858) 658-2502 Pages (Enter the total number of pages of the attached conveyance document including any attachments) 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: 1, 11/332,604 Patent Number(s): 2. 1. 3. 2. 3. Patent Cooperation Treaty (PCT) (Enter only if a U.S. Application Number has not been assigned) 1. PCT/ 3. PCT/ Number of Properties (Enter the total number of properties involved) 4. PCT/ Total number of properties: Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ Method of Payment: D 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 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: Name: Dmitry R. Milikovsky., Reg. No. 41,999 Phone No. 858-845-0130

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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 **Ravi Palanki**, a citizen of India having a place of residence at 7699 Palmilla Drive, Apartment # 3209, San Diego, California 92122, and **Aamod Khandekar**, a citizen of India having a place of residence at 8465 Regents Road, Apartment # 339, San Diego, California 92122; 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:

CHANNEL AND INTERFERENCE ESTIMATION IN SINGLE-CARRIER AND MULTI-CARRIER FREQUENCY

by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on January 12, 2006, and assigned Serial No. 11/332,604, including, without limitation, all provisional patent applications, including Serial No. 60/708,239 filed August 9, 2005, and Serial No. 60/710,375, filed August 22, 2005, 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.

REEL: 017349 FRAME: 0698

ATTORNEY DOCKET NO. 050833

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 _______, 2006.

P. Ravi Palanki

Done at San Diego, California this 10 day of Mack, 2006.

Aamod Khandekar

REEL: 017349 FRAME: 0699