

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>J. Rodney Walton</td> <td>03/23/2004</td> </tr> <tr> <td>John W. Ketchum</td> <td>03/23/2004</td> </tr> <tr> <td>Mark S. Wallace</td> <td>03/23/2004</td> </tr> <tr> <td>Steven J. Howard</td> <td>03/29/2004</td> </tr> </tbody> </table>		Name	Execution Date	J. Rodney Walton	03/23/2004	John W. Ketchum	03/23/2004	Mark S. Wallace	03/23/2004	Steven J. Howard	03/29/2004
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>QUALCOMM Incorporated</td> </tr> <tr> <td>Street Address:</td> <td>5775 Morehouse Drive</td> </tr> <tr> <td>City:</td> <td>San Diego</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92121-1714</td> </tr> </table>		Name:	QUALCOMM Incorporated	Street Address:	5775 Morehouse Drive	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121-1714
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13353924</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13353924						
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Application Number:	13353924										
CORRESPONDENCE DATA											
Fax Number:	(858)658-2502										
Phone:	858-658-5221										
Email:	US-Docketing@qualcomm.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	QUALCOMM Incorporated										
Address Line 1:	5775 Morehouse Drive										
Address Line 4:	San Diego, CALIFORNIA 92121-1714										
ATTORNEY DOCKET NUMBER:	020573C1										
NAME OF SUBMITTER:	Deborah Dockett										
Total Attachments: 2 source=020573C1_ASN#page1.tif source=020573C1_ASN#page2.tif											

CH \$40.00 13353924

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; **J. RODNEY WALTON**, a citizen of the United States of America having a place of residence at 85 HIGHWOODS LANE; CARLISLE, MASSACHUSETTS 01741; **JOHN W. KETCHUM**, a citizen of the United States of America having a place of residence at 37 CANDLEBERRY LANE; HARVARD, MASSACHUSETTS 01451; **MARK S. WALLACE**, a citizen of the United States of America having a place of residence at 4 MADEL LANE; BEDFORD, MASSACHUSETTS 01730; and **STEVEN J. HOWARD**, a citizen of the United States of America having a place of residence at 75 HERITAGE AVENUE; ASHLAND, MASSACHUSETTS 01721; 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:

**RANDOM ACCESS FOR WIRELESS MULTIPLE-ACCESS COMMUNICATION
SYSTEMS**

by us devised and the application for United States Patent therefor, filed in the United States Patent and Trademark Office on **October 23, 2003**, and assigned Application Serial No. **10/693,532** including, without limitation, all provisional patent applications, including Serial No. **60/421,309**, filed **October 25, 2002**, and Serial No. **60/432,440**, filed **December 10, 2002**, 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.

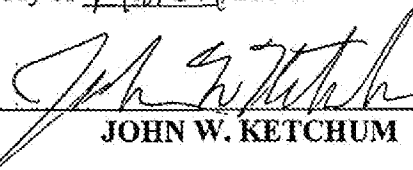
The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at Carlisle, Massachusetts this 23rd day of March, 2004.



J. RODNEY WALTON

Done at Harvard, Massachusetts this 23rd day of March, 2004.



JOHN W. KETCHUM

Done at Bedford, Massachusetts this 23rd day of March, 2004.



MARK S. WALLACE

Done at Ashland, Massachusetts this 29th day of March, 2004.



STEVEN J. HOWARD

COPY