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PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------|----------------|
| Roy F Quick Jr | 08/09/2001 |
| Gregory G Rose | 08/09/2001 |

RECEIVING PARTY DATA

| Name: | QUALCOMM Incorporated |
|-------------------|--|
| Street Address: | 5775 Morehouse Drive |
| Internal Address: | Patent Department/Central Administration |
| City: | San Diego |
| State/Country: | CALIFORNIA |
| Postal Code: | 92121 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11142994 |

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ATTORNEY DOCKET NUMBER: 010055B1C1

NAME OF SUBMITTER: Thomas W. Coyne

Total Attachments: 2

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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 Roy F. Quick, Jr., a citizen of the United States of America having a place of residence at 1150 Barcelona Drive, San Diego, California 92107; Gregory G. Rose, a citizen of Australia having a place of residence at 6 Kingston Avenue, Mortlake, NSW 2137 AUSTRALIA; 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 a LOCAL AUTHENTICATION IN A COMMUNICATION SYSTEM by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on 05/22/2001, and assigned Serial No. 09/863,139, 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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[PA010055B1 ASSN2] Customer No.: 23696 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 word day of Avent, 2001. What I am | |
|---|--|
| Roy F. Quick Jr. | |
| Done at Mortlake, Australia this <u>walk</u> day of <u>August</u> , 2001. | |
| Gregory G. Rose | |

REEL: 024206 FRAME: 0064