

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| James Norris Dieffenderfer | 10/04/2007 |
| Brian Michael Stempel | 10/04/2007 |
| Rodney Wayne Smith | 10/04/2007 |
| RECEIVING PARTY DATA | |
| Name: | QUALCOMM Incorporated |
| Street Address: | 5775 Morehouse Drive |
| Internal Address: | Patent Department |
| City: | San Diego |
| State/Country: | CALIFORNIA |
| Postal Code: | 92121-1714 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 13212654 |
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| ATTORNEY DOCKET NUMBER: | 071264C1B1 |
| NAME OF SUBMITTER: | Nicholas J. Pauley |
| Total Attachments: 2 source=071264C1B1_REC_08-18-11#page1.tif source=071264C1B1_REC_08-18-11#page2.tif | |

CH \$40.00 13212654

ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to me in hand paid, receipt of which is hereby acknowledged, be it known that I,

James Norris Dieffenderfer, a citizen of the United States, having a place of residence at 4000 Inkberry Court, Apex, NC 27539

Brian Michael Stempel, a citizen of the United States, having a place of residence at 1309 Wellwater Court, Raleigh, NC 27614

Rodney Wayne Smith, a citizen of the United States, having a place of residence at 1400 Bascomb Drive, Raleigh, NC 27614

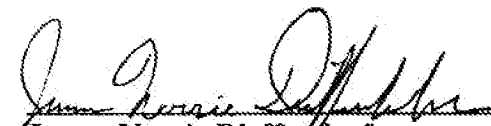
have sold, assigned and transferred and, by these presents, do sell, assign, transfer and set over unto **QUALCOMM Incorporated**, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the whole right, title and interest in and to a certain invention relating to:

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by me devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on August 18, 2011, and assigned Serial No. 13/212,654 (and I hereby authorize and instruct **QUALCOMM Incorporated** to hereafter complete this Assignment by inserting the serial number in the space provided above when known), including, without limitation, all provisional patent applications, 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 I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me 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 that may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at Cary, North Carolina this
4th day of October, 2007.


James Norris Dieffenderfer

LINK STACK REPAIR OF ERRONEOUS SPECULATIVE UPDATE

Done at Cary, North Carolina this
4th day of October, 2007.

Brian Michael Stempel
Brian Michael Stempel

Done at Cary, North Carolina this
4th day of October, 2007.

Rodney Wayne Smith
Rodney Wayne Smith