

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | |
|---|-----------------------|---------------|-----------------------|---------------------|----------------------|----------------------------|------------|----------------|------------|--------------|------------|------------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Danlu Zhang</td> <td>01/18/2010</td> </tr> <tr> <td>Pavan Kumar Vitthaladevuni</td> <td>01/18/2010</td> </tr> <tr> <td>Ravi Agarwal</td> <td>01/19/2010</td> </tr> <tr> <td>Jilei Hou</td> <td>02/01/2010</td> </tr> <tr> <td>Bibhu P. Mohanty</td> <td>02/02/2010</td> </tr> </tbody> </table> | | Name | Execution Date | Danlu Zhang | 01/18/2010 | Pavan Kumar Vitthaladevuni | 01/18/2010 | Ravi Agarwal | 01/19/2010 | Jilei Hou | 02/01/2010 | Bibhu P. Mohanty | 02/02/2010 |
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| Ravi Agarwal | 01/19/2010 | | | | | | | | | | | | |
| Jilei Hou | 02/01/2010 | | | | | | | | | | | | |
| Bibhu P. Mohanty | 02/02/2010 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">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 | | |
| Name: | QUALCOMM Incorporated | | | | | | | | | | | | |
| Street Address: | 5775 Morehouse Drive | | | | | | | | | | | | |
| City: | San Diego | | | | | | | | | | | | |
| State/Country: | CALIFORNIA | | | | | | | | | | | | |
| Postal Code: | 92121-1714 | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12687006</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12687006 | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 12687006 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
| <p>Fax Number: (858)658-2502 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (858) 651-5205 Email: patent.docketing.us@qualcomm.com Correspondent Name: QUALCOMM Incorporated Address Line 1: 5775 Morehouse Drive Address Line 4: San Diego, CALIFORNIA 92121-1714</p> | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 090889 | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Marvin Jefferson | | | | | | | | | | | | |

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**PATENT
 REEL: 024150 FRAME: 0736**

Total Attachments: 12

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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,

1. Danlu Zhang, a citizen of China, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,
2. Pavan Kumar Vitthaladevuni, a citizen of India, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,
3. Ravi Agarwal, a citizen of India, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,
4. Jilei Hou, a citizen of China, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,
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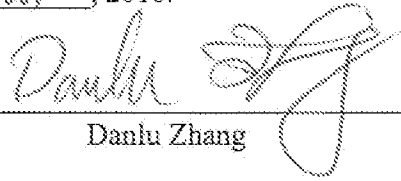
of San Diego, California, United States of America,

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 entire right, title and interest in and to a certain invention relating to **METHOD AND APPARATUS FOR SCHEDULING DATA TRANSMISSION ON MULTIPLE CARRIERS** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **January 13, 2010**, and assigned Serial No. **12/687,006**, including Provisional Application Number **61/144,639**, filed on **January 14, 2009**, and Provisional Application Number **61/144,593**, filed on **January 14, 2009**, and Provisional Application Number **61/160,973**, filed on **March 17, 2009**, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisionals, continuations and continuations-in-part 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.

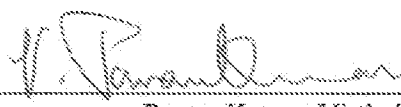
ASSIGNMENT

Done at San Diego, California this 18th day of Jan, 2010.



Danlu Zhang

Done at San Diego, California this 18th day of Jan, 2010.



Pavan Kumar Vitthaladevuni

Done at San Diego, California this _____ day of _____, 2010.

Ravi Agarwal

Done at San Diego, California this _____ day of _____, 2010.

Jilei Hou

Done at San Diego, California this _____ day of _____, 2010.

Bibhu P. Mohanty

ASSIGNMENT

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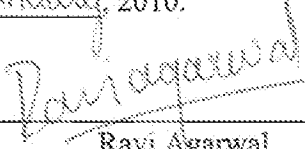
Done at San Diego, California this _____ day of _____, 2010.

Danlu Zhang

Done at San Diego, California this _____ day of _____, 2010.

Pavan Kumar Vitthaladevuni

Done at San Diego, California this 19th day of January, 2010.



Ravi Agarwal

Done at San Diego, California this _____ day of _____, 2010.

Jilei Hou

Done at San Diego, California this _____ day of _____, 2010.

Bibhu P. Mohanty

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Danlu Zhang

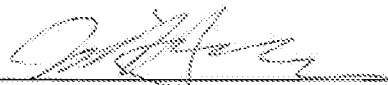
Done at San Diego, California this _____ day of _____, 2010.

Pavan Kumar Vitthaladevuni

Done at San Diego, California this _____ day of _____, 2010.

Ravi Agarwal

Done at San Diego, California this 01 day of February, 2010.



Jilei Hou

Done at San Diego, California this _____ day of _____, 2010.

Bibhu P. Mohanty

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Done at San Diego, California this _____ day of _____, 2010.

Danlu Zhang

Done at San Diego, California this _____ day of _____, 2010.

Pavan Kumar Vitthaladevuni

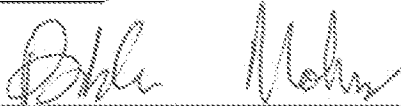
Done at San Diego, California this _____ day of _____, 2010.

Ravi Agarwal

Done at San Diego, California this _____ day of _____, 2010.

Jilei Hou

Done at San Diego, California this 2nd day of Feb, 2010.



Bibhu P. Mohanty