

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>Rajiv Laroia</td><td>06/24/2008</td></tr><tr><td>Junyi Li</td><td>06/24/2008</td></tr><tr><td>Xinzhou Wu</td><td>06/24/2008</td></tr><tr><td>Saurabh Tavildar</td><td>06/24/2008</td></tr></tbody></table>	Name	Execution Date	Rajiv Laroia	06/24/2008	Junyi Li	06/24/2008	Xinzhou Wu	06/24/2008	Saurabh Tavildar	06/24/2008	
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Rajiv Laroia	06/24/2008										
Junyi Li	06/24/2008										
Xinzhou Wu	06/24/2008										
Saurabh Tavildar	06/24/2008										
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											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12146972</td></tr></tbody></table>	Property Type	Number	Application Number:	12146972							
Property Type	Number										
Application Number:	12146972										
CORRESPONDENCE DATA											
Fax Number:	(858)658-2502										
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ATTORNEY DOCKET NUMBER:	071359U1										
NAME OF SUBMITTER:	Gina Golia										

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PATENT
REEL: 021161 FRAME: 0381

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,

1. **Rajiv Laroia**, a citizen of the United States, having a place of residence at 7 Springcroft Road, Far Hills, NJ 07931, US;
2. **Junyi Li**, a citizen of China P.R., having a place of residence at 357 Wren Lane, Bedminster, NJ 07921, US;
3. **Xinzhou Wu**, a citizen of China P.R., having a place of residence at 1806 Sweet Briar Court, Monmouth Junction, NJ 08852, US,
4. **Saurabh Tavildar**, a citizen of India, having a place of residence at 131 Dudley Street, Apt. 125, Jersey City, NJ 07302, US,


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 **APPARATUS AND METHOD OF GENERATING AND MAINTAINING ORTHOGONAL CONNECTION IDENTIFICATIONS (CIDs) FOR WIRELESS NETWORKS** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on June 26, 2008, assigned Application Number 12/146,972 (and we hereby authorize and instruct QUALCOMM Incorporated to hereafter complete this Assignment by inserting the filing date and serial number in the space provided when known), including, without limitation, all provisional patent applications, including Provisional Application Number 60/948,882 filed on July 10, 2008, and all original and reissue

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patents granted thereof (in the United States and any foreign country), 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.

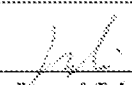
The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at Bridgewater NJ this 24 day of June, 2008.



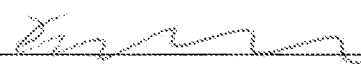
Rajiv Laroia

Done at Bridgewater, NJ this 24th day of June, 2008.



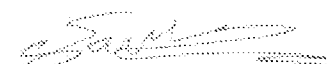
Junyi Li

Done at Bridgewater, NJ this 24th day of June, 2008.



Xinzhou Wu

Done at Bridgewater, NJ this 24th day of June, 2008.



Saurabh Tavildar