

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>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Vinay Sridhara</td> <td>02/05/2009</td> </tr> <tr> <td>Sanjiv Nanda</td> <td>01/30/2009</td> </tr> <tr> <td>Santosh P. Abraham</td> <td>01/30/2009</td> </tr> <tr> <td>Srinivas Kandala</td> <td>02/10/2009</td> </tr> </tbody> </table>		Name	Execution Date	Vinay Sridhara	02/05/2009	Sanjiv Nanda	01/30/2009	Santosh P. Abraham	01/30/2009	Srinivas Kandala	02/10/2009
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Vinay Sridhara	02/05/2009										
Sanjiv Nanda	01/30/2009										
Santosh P. Abraham	01/30/2009										
Srinivas Kandala	02/10/2009										
RECEIVING PARTY DATA											
Name:	QUALCOMM Incorporated										
Street Address:	5575 Morehouse Drive										
Internal Address:	Patent Department/Central Administration										
City:	San Diego										
State/Country:	CALIFORNIA										
Postal Code:	92121										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12361773</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12361773						
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Application Number:	12361773										
CORRESPONDENCE DATA											
Fax Number:	(858)658-2502										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	858-845-4265										
Email:	patent.docketing.us@qualcomm.com										
Correspondent Name:	QUALCOMM INCORPORATED										
Address Line 1:	5775 MOREHOUSE DR.										
Address Line 4:	SAN DIEGO, CALIFORNIA 92121										
ATTORNEY DOCKET NUMBER:	081198										
NAME OF SUBMITTER:	Margaret Freda										

CH \$40.00 12361773

Total Attachments: 8

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ASSIGNMENT

TO WHOM IT MAY CONCERN:

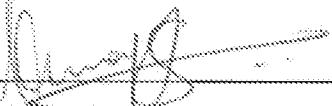
For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that We,

1. Vinay Sridhara, a citizen of India, having a place of residence at 3480 Granada Avenue, Apt. 287, Santa Clara, California, 95051, United States of America;
2. Sanjiv Nanda, a citizen of the United States of America, having a place of residence at 16808 Daza Drive, Ramona, California, 92065, United States of America;
3. Santosh P. Abraham, a citizen of the United States of America, having a place of residence at 9535 Bayamon Road, San Diego, California, 92129, United States of America; and
4. Srinivas Kandala, a citizen of the United States of America, having a place of residence at 1036 Bentoak Lane, San Jose, California, 95129, 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 EXTENDED REVERSE DIRECTION GRANT IN A WIRELESS LOCAL AREA NETWORK (WLAN)** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **January 29, 2009**, assigned Application Number **12/361,773**, including, without limitation, all provisional patent applications, including Provisional Application Number **61/041,670** filed on **April 2, 2008**, and Provisional Application Number **61/090,419** filed on **August 20, 2008**, and all original and reissue 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 Santa Clara, California this 5th day of FEB, 2009.



Vinay Sridhara

Done at San Diego, California this _____ day of _____, 2009.

Sanjiv Nanda

Done at San Diego, California this _____ day of _____, 2009.

Santosh P. Abraham

Done at San Jose, California this _____ day of _____, 2009.

Srinivas Kandala

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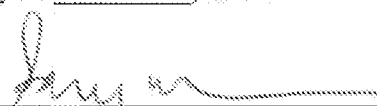
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Done at Santa Clara, California this _____ day of _____, 2009.

Vinay Sridhara

Done at San Diego, California this ^{30th} day of Jan, 2009.



Sanjiv Nanda

Done at San Diego, California this _____ day of _____, 2009.

Santosh P. Abraham

Done at San Jose, California this _____ day of _____, 2009.

Srinivas Kandala

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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 Santa Clara, California this _____ day of _____, 2009.

Vinay Sridhara

Done at San Diego, California this _____ day of _____, 2009.

Sanjiv Nanda

Done at San Diego, California this 30 day of Jan, 2009.



Santosh P. Abraham

Done at San Jose, California this _____ day of _____, 2009.

Srinivas Kandala

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Done at Santa Clara, California this _____ day of _____, 2009.

Vinay Sridhara

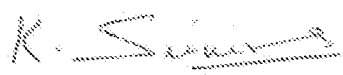
Done at San Diego, California this _____ day of _____, 2009.

Sanjiv Nanda

Done at San Diego, California this _____ day of _____, 2009.

Santosh P. Abraham

Done at San Jose, California this 10th day of FEBRUARY, 2009.


Srinivas Kandala