

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Subasingha Shaminda Subasingha</td> <td>09/11/2013</td> </tr> <tr> <td>Venkatesh Krishnan</td> <td>09/04/2013</td> </tr> <tr> <td>Vivek Rajendran</td> <td>09/11/2013</td> </tr> <tr> <td>Stephane Pierre Villette</td> <td>09/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	Subasingha Shaminda Subasingha	09/11/2013	Venkatesh Krishnan	09/04/2013	Vivek Rajendran	09/11/2013	Stephane Pierre Villette	09/11/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>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
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PROPERTY NUMBERS Total: 2											
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CORRESPONDENCE DATA											
<p>Fax Number: 8016062774  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 801-537-1700        Email: wla-admin@austin-rapp.com        Correspondent Name: Wesley L. Austin        Address Line 1: 170 S. Main St., Ste. 735        Address Line 4: Salt Lake City, UTAH 84101</p>											
ATTORNEY DOCKET NUMBER:	130824; 130824P1										
NAME OF SUBMITTER:	Wesley L. Austin										

OP \$80.00 14015991

Signature:	/Wesley L. Austin/
Date:	09/19/2013
Total Attachments: 3 source=130824_Assignment#page1.tif source=130824_Assignment#page2.tif source=130824_Assignment#page3.tif	

ASSIGNMENT

WHEREAS, WE,

1. **Subasingha Shaminda Subasingha**, a citizen of **Sri Lanka**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **San Diego, CA**,
2. **Venkatesh Krishnan**, a citizen of the **United States**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **San Diego, CA**,
3. **Vivek Rajendran**, a citizen of **India**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **San Diego, CA**,
4. **Stephane Pierre Vilette**, a citizen of **France**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714** and a resident of **San Diego, CA**,

have conceived of one or more processes, methods, machines, articles of manufacture, designs, compositions of matter, inventions, discoveries or new or useful improvements relating to **SYSTEMS AND METHODS FOR QUANTIZING AND DEQUANTIZING PHASE INFORMATION** (collectively the "INVENTIONS") for which WE have executed and/or may execute one or more patent applications therefor; and


WHEREAS, QUALCOMM Incorporated (hereinafter "ASSIGNEE"), a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, U.S.A., desires to acquire or otherwise obtain the entire right, title, and interest in and to said INVENTIONS, including all inventions related thereto or thereof, all patent applications therefor, and all patents that have granted or may be granted hereafter thereon, including but not limited to those identified below.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, WE do hereby acknowledge that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, the entire right, title, and interest throughout the world in and to said INVENTIONS, including all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS in the United States, including but not limited to U.S. Application No(s). **14/015,991** filed **August 30, 2013**, Qualcomm Reference No. **130824**, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). **61/767,455**, filed **February 21, 2013**, Qualcomm Reference No. **130824P1**, (and do hereby authorize ASSIGNEE and its representative to hereafter add herein such application number(s) and/or filing date(s) when known), and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents of the United States which may have granted or may be granted hereafter thereon and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon in the United States;

AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;

AND WE HEREBY represent that WE have full and exclusive, unencumbered right to sell, assign, convey and transfer all subject matter herein, and hereby covenant that WE have not and will not execute any writing or do any act whatsoever conflicting with these presents.

Done at San Diego, on 9/11/2013  
LOCATION DATE

  
Subasingha Shaminda Subasingha

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE

\_\_\_\_\_  
Venkatesh Krishnan

Done at SAN DIEGO, on Sept, 2013  
LOCATION DATE

  
Vivek Rajendran

Done at SAN DIEGO, on 9/11/13  
LOCATION DATE

  
Stephane Pierre Villette

AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;

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Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE Subasingha Shaminda Subasingha

Done at San Diego, on 9/4/2013  
LOCATION DATE

  
Venkatesh Krishnan

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