

## PATENT ASSIGNMENT

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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>Melinda J. Brown</td> <td>01/15/2013</td> </tr> <tr> <td>James N. Dieffenderfer</td> <td>01/15/2013</td> </tr> <tr> <td>Michael W. Morrow</td> <td>01/14/2013</td> </tr> <tr> <td>Brian M. Stempel</td> <td>01/09/2013</td> </tr> <tr> <td>Michael S. McIlvaine</td> <td>01/09/2013</td> </tr> </tbody> </table>		Name	Execution Date	Melinda J. Brown	01/15/2013	James N. Dieffenderfer	01/15/2013	Michael W. Morrow	01/14/2013	Brian M. Stempel	01/09/2013	Michael S. McIlvaine	01/09/2013
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Michael S. McIlvaine	01/09/2013												
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													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13741849</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13741849								
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CORRESPONDENCE DATA													
Fax Number:	8586582502												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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Correspondent Name:	QUALCOMM Incorporated												
Address Line 1:	5775 Morehouse Drive												
Address Line 2:	Patent Department												
Address Line 4:	San Diego, CALIFORNIA 92121-1714												
ATTORNEY DOCKET NUMBER:	120890												

CH \$40.00 13741849

NAME OF SUBMITTER:

Peter M. Kamarchik

Total Attachments: 4

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ASSIGNMENT

WHEREAS, WE,

1. **Melinda J. Brown**, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of Raleigh, North Carolina,
2. **James N. Dieffenderfer**, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of Apex, North Carolina,
3. **Michael W. Morrow**, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of Wilkes Barre, Pennsylvania,
4. **Brian M. Stempel**, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of Raleigh, North Carolina,
5. **Michael S. Mellvaine**, a citizen of United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of Raleigh, North Carolina,

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 **ISSUING INSTRUCTIONS TO EXECUTION PIPELINES BASED ON REGISTER-ASSOCIATED PREFERENCES, AND RELATED INSTRUCTION PROCESSING CIRCUITS, PROCESSOR SYSTEMS, METHODS, AND COMPUTER-READABLE MEDIA** (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). 13/741,849 filed January 15, 2013, Qualcomm Reference No. 120890, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). 61/655,655, filed June 5, 2012, Qualcomm Reference No. 120890P1, (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;

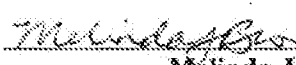
AND WE further do acknowledge and agree that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, all rights of priority under International Conventions, Treaties, or Agreements, and the entire right, title, and interest throughout the world in said INVENTIONS, including all inventions related thereto or thereof, and all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS in any foreign country, countries, or treaty/union organizations, and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, patent of addition applications, confirmation applications, validation applications, utility model applications, and design applications thereof, and all issued patents which may have granted or may be granted hereafter for said INVENTIONS in any country or countries foreign to the United States, and all reissues, renewals, reexaminations, and extensions thereof;

AND WE DO HEREBY authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which WE may be entitled, or that WE may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;

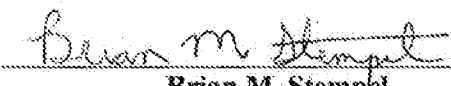
AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, 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 Raleigh, NC, on 1/15/2013   
LOCATION DATE Melinda J. Brown

Done at Raleigh, NC, on 1/15/2013   
LOCATION DATE James A. Dieffenderfer

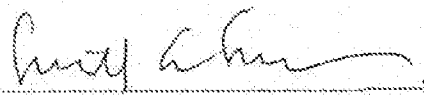
Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE Michael W. Morrow

Done at Raleigh, NC, on 1/9/2013   
LOCATION DATE Brian M. Stempel

Done at Raleigh, NC, on 1/9/2013   
LOCATION DATE Michael S. McIlvaine

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE  
Melinda J. Brown

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James N. Dieffenderfer

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LOCATION DATE  
  
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