

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>Marta Karczewicz</td> <td>12/15/2011</td> </tr> <tr> <td>Xianglin Wang</td> <td>12/15/2011</td> </tr> <tr> <td>Wei-Jung Chien</td> <td>12/19/2011</td> </tr> </tbody> </table>		Name	Execution Date	Marta Karczewicz	12/15/2011	Xianglin Wang	12/15/2011	Wei-Jung Chien	12/19/2011						
Name	Execution Date														
Marta Karczewicz	12/15/2011														
Xianglin Wang	12/15/2011														
Wei-Jung Chien	12/19/2011														
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				
Name:	QUALCOMM Incorporated														
Street Address:	5775 Morehouse Drive														
City:	San Diego														
State/Country:	CALIFORNIA														
Postal Code:	92121-1714														
PROPERTY NUMBERS Total: 6															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13248760</td> </tr> <tr> <td>Application Number:</td> <td>61389166</td> </tr> <tr> <td>Application Number:</td> <td>61427440</td> </tr> <tr> <td>Application Number:</td> <td>61430520</td> </tr> <tr> <td>Application Number:</td> <td>61446402</td> </tr> <tr> <td>Application Number:</td> <td>61448623</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13248760	Application Number:	61389166	Application Number:	61427440	Application Number:	61430520	Application Number:	61446402	Application Number:	61448623
Property Type	Number														
Application Number:	13248760														
Application Number:	61389166														
Application Number:	61427440														
Application Number:	61430520														
Application Number:	61446402														
Application Number:	61448623														
CORRESPONDENCE DATA															
Fax Number:	(651)735-1102														
Phone:	651 735 1100														
Email:	thom@ssiplaw.com														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
Correspondent Name:	Shumaker & Sieffert, P. A.														
Address Line 1:	1625 Radio Drive, Suite 300														
Address Line 4:	Woodbury, MINNESOTA 55125														

PATENT

ATTORNEY DOCKET NUMBER:	1010-674US01
NAME OF SUBMITTER:	Brenda L. Thom
Total Attachments: 3 source=Assignment_SIGNED#page1.tif source=Assignment_SIGNED#page2.tif source=Assignment_SIGNED#page3.tif	

ASSIGNMENT

WHEREAS, WE,

1. **Marta Karczewicz**, a citizen of **The United States of America**, having a mailing address located at **5775 Morehouse Drive, San Diego, California 92121-1714**, and a resident of **San Diego, CA**,
2. **Xianglin Wang**, a citizen of **The United States of America**, having a mailing address located at **5775 Morehouse Drive, San Diego, California 92121-1714**, and a resident of **San Diego, CA**,
3. **Wei-Jung Chien**, a citizen of **Taiwan**, having a mailing address located at **5775 Morehouse Drive, San Diego, California 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 **INDICATING INTRA-PREDICTION MODE SELECTION FOR VIDEO CODING** (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). **13/248,760** filed **September 29, 2011**, Qualcomm Reference No. **103060**, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). **61/389,166**, filed **October 1, 2010**, Qualcomm Reference No. **103060P1**, U.S. Provisional Application No(s). **61/427,440**, filed **December 27, 2010**, Qualcomm Reference No. **110738P1**, U.S. Provisional Application No(s). **61/446,402**, filed **February 24, 2011**, Qualcomm Reference No. **110738P2**, U.S. Provisional Application No(s). **61/430,520**, filed **January 6, 2011**, Qualcomm Reference No. **110784P1**, U.S. Provisional Application No(s). **61/448,623**, filed **March 2, 2011**, Qualcomm Reference No. **110738P3**, (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 San Diego, CA, on 12/15/11
LOCATION DATE


Marta Karczewicz

Done at San Diego, CA, on 12/15/11
LOCATION DATE


Xianglin Wang

Done at San Diego, CA, on 12/19/2011
LOCATION DATE


Wei-Jung Chien