

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3613930

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KHOSRO MOHAMMAD RABII	06/12/2015
VIJAY NAICKER SUBRAMANIAM	08/03/2015
RICHARD DOMINIC WIETFELDT	06/12/2015
FAWAD SHAUKAT	06/12/2015
SHIVAKUMAR BALASUBRAMANYAM	10/11/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	QUALCOMM INCORPORATED
<b>Street Address:</b>	5775 MOREHOUSE DRIVE
<b>City:</b>	SAN DIEGO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92121-1714
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14734824
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(651)735-1102
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	6517351100
<b>Email:</b>	pairedocketing@ssiplaw.com
<b>Correspondent Name:</b>	SHUMAKER & SIEFFERT, P.A.
<b>Address Line 1:</b>	1625 RADIO DRIVE, SUITE 300
<b>Address Line 4:</b>	WOODBURY, MINNESOTA 55125
<b>ATTORNEY DOCKET NUMBER:</b>	1414-004US01
<b>NAME OF SUBMITTER:</b>	SUSAN J. DALY
<b>SIGNATURE:</b>	/Susan J. Daly/
<b>DATE SIGNED:</b>	11/12/2015
<b>Total Attachments: 15</b>	
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## ASSIGNMENT

WHEREAS, WE,

1. **Khosro Mohammad Rabii**, a citizen of **United States of America**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714**, and a resident of **San Diego, CA**,
2. **Vijay Naicker Subramaniam**, a citizen of **United States of America**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714**, and a resident of **San Diego, CA**,
3. **Richard Dominic Wietfeldt**, a citizen of **United States of America**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714**, and a resident of **San Diego, CA**,
4. **Fawad Shaukat**, a citizen of **United States of America**, having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714**, and a resident of **San Diego, CA**,
5. **Shivakumar Balasubramanyam**, 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**,

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 **TUNNELING HDMI DATA OVER WIRELESS CONNECTIONS** (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. **14/734,824** filed **June 09, 2015**, Qualcomm Reference No. **150807**, and all provisional applications relating thereto, (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;

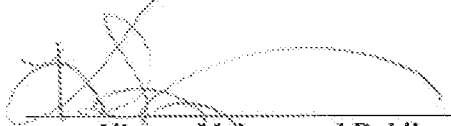
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AND WE DO HEREBY authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications or registrations, to issue all patents 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 covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at USA/CA/Scott, on 6-12-15  
LOCATION DATE  
  
Khosro Mohammad Rabii

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE  
Vijay Naicker Subramaniam

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE  
Richard Dominic Wietfeldt

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

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

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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.

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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 covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE  
Khosro Mohammad Rabii

Done at San Diego, on 8/3/15  
LOCATION DATE  
  
Vijay Nacker Subramaniam

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE  
Richard Dominic Wietfeldt

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

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



## ASSIGNMENT

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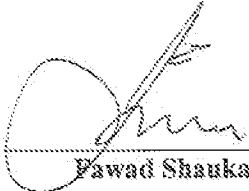
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Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE Khosro Mohammad Rabii

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE Vijay Naicker Subramaniam

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE Richard Dominic Wiefeldt

Done at San Diego, on 06-12-15  
LOCATION DATE   
Fawad Shaukat

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

ASSIGNMENT

WHEREAS, WE,

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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;



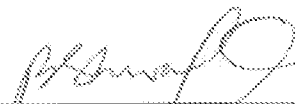
AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE Khosro Mohammad Rabii

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE Vijay Naicker Subramaniam

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE Richard Dominic Wietfeldt

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

Done at SAN DIEGO, on 10-11-15  
LOCATION DATE   
Shivakumar Balasubramanyam