

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2751783

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>SHASHANK VISHWANATHA MAIYA</td> <td>02/26/2014</td> </tr> <tr> <td>NATE CHIZGI</td> <td>02/26/2014</td> </tr> <tr> <td>ROEE COHEN</td> <td>02/11/2014</td> </tr> <tr> <td>HARISH VENKATACHARI</td> <td>02/26/2014</td> </tr> <tr> <td>SHARIF AHSANUL MATIN</td> <td>01/30/2014</td> </tr> </tbody> </table>		Name	Execution Date	SHASHANK VISHWANATHA MAIYA	02/26/2014	NATE CHIZGI	02/26/2014	ROEE COHEN	02/11/2014	HARISH VENKATACHARI	02/26/2014	SHARIF AHSANUL MATIN	01/30/2014
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HARISH VENKATACHARI	02/26/2014												
SHARIF AHSANUL MATIN	01/30/2014												
RECEIVING PARTY DATA													
Name:	QUALCOMM INCORPORATED												
Street Address:	5775 MOREHOUSE DRIVE												
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>14167806</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14167806								
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Application Number:	14167806												
CORRESPONDENCE DATA													
Fax Number:	(202)857-6395												
Phone:	2028576000												
Email:	dcipdocket@arentfox.com												
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>													
Correspondent Name:	ARENT FOX LLP												
Address Line 1:	1717 K STREET, NW												
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20036												
ATTORNEY DOCKET NUMBER:	030284.07105/133510												
NAME OF SUBMITTER:	NATASHA BROWN												

Signature:	/Natasha Brown/
Date:	03/04/2014
<b>Total Attachments: 6</b> source=133510_Assignment_as_filed_March_4_2014#page1.tif source=133510_Assignment_as_filed_March_4_2014#page2.tif source=133510_Assignment_as_filed_March_4_2014#page3.tif source=133510_Assignment_as_filed_March_4_2014#page4.tif source=133510_Assignment_as_filed_March_4_2014#page5.tif source=133510_Assignment_as_filed_March_4_2014#page6.tif	

## ASSIGNMENT

WHEREAS, WE,

1. Shashank Vishwanatha MAIYA, a citizen of India, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of Sunnyvale, CA,

2. Nate CHIZGI, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of Sunnyvale, CA,

3. Roe COHEN, a citizen of Israel, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121 and a resident of Kibbutz Eyal, D. N. Hasharon Hatichon, Isreal,

4. Harish VENKATACHARI, a citizen of India, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121-1714 and a resident of Sunnyvale, CA,

5. Sharif Ahsanul MATIN, a citizen of Bangladesh, having a mailing address located at 5775 Morehouse Drive San Diego, CA 92121 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 APPARATUS AND METHODS FOR EARLY TRANSPORT FORMAT DETERMINATION (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). 14/167,806 filed January 29, 2014, Qualcomm Reference No. 133510, and all provisional applications relating thereto, together with

PATENT

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U.S. Provisional Application No(s). 61/842,824 filed July 3, 2013, Qualcomm Reference No. 133510P1, 61/845,785 filed July 12, 2013, Qualcomm Reference No. 133712P1, 61/859,612, filed July 29, 2013, Qualcomm Reference No. 133710P1, and 61/859,619, filed July 29, 2013, Qualcomm Reference No. 133711P1 (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 nonprovisional applications, national phase applications, 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;

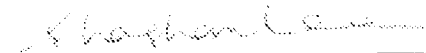
AND WE DO HEREBY authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors,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

Done at SCC, on 2/25/14  
LOCATION DATE

  
**Shashank Vishwanatha  
MAIYA**

Done at SCC, on 2/26/14  
LOCATION DATE

  
**Nate CHIZGI**

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

\_\_\_\_\_  
**Roee COHEN**

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

\_\_\_\_\_  
**Harish VENKATACHARI**

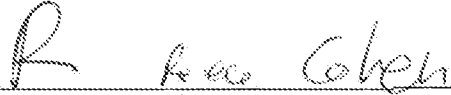
Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE

\_\_\_\_\_  
**Sharif Ahsanul MATIN**

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  
**Shashank Vishwanatha  
MAIYA**

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE  
**Nate CHIZGI**

Done at ISRAEL, on Feb 11/2/2014  
LOCATION DATE  
  
**Roe COHEN**

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE  
**Harish VENKATACHARI**

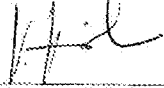
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Done at \_\_\_\_\_, on \_\_\_\_\_  
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Shashank Vishwanatha  
MAIYA

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

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

Done at Hyderabad, India, on 02/26/2014  
LOCATION DATE  
  
Harish VENKATACHARI

Done at \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE  
Sharif Ahsanul MATIN


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Nate CHIZGI

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

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

Done at SAN DIEGO, on 1/30/2014  
LOCATION DATE  
  
Sharif Ahsanul MATIN