

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YOHAN LE NERRIEC	03/15/2013
JUDAH MENTER	03/15/2013
ALEXANDRE GUION	07/30/2013
JEHAN BING	03/15/2013
DANIEL TAI	03/15/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ORB NETWORKS, INC.
<b>Street Address:</b>	MASH BUILDING, 428 13TH ST
<b>Internal Address:</b>	3RD FLOOR
<b>City:</b>	OAKLAND
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94612
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	9178962
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>Email:</b>	c_jkalra@qualcomm.com
<b>Correspondent Name:</b>	QUALCOMM INCORPORATED
<b>Address Line 1:</b>	5775 MOREHOUSE DR
<b>Address Line 4:</b>	SAN DIEGO, CALIFORNIA 92121
<b>NAME OF SUBMITTER:</b>	JAIDEV KALRA
<b>SIGNATURE:</b>	/JAIDEV KALRA/
<b>DATE SIGNED:</b>	08/24/2017
<b>Total Attachments: 4</b>	
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ASSIGNMENT

WHEREAS, WE,

Yohan Le Nerrie, Alexandre Guion, Judah Menter, Jehan Bing and Daniel Tai 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 **SYSTEM AND METHOD FOR USE OF NETWORK SERVICES IN RECEIVING CONTENT AND DATA** (collectively the "INVENTIONS") for which WE have executed and/or may execute one or more patent applications therefor; and

WHEREAS, Orb Networks, Inc. (hereinafter "ASSIGNEE"), a Delaware limited liability company, having a place of business at Mash Building, 428 13<sup>th</sup> St., 3rd Floor, Oakland, CA 94612, 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. Provisional Application No. 61/800,274 filed March 15, 2013, Reference No. ORBN.P119P2, and all utility 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

PATENT

Ref. No. ORBN.P119P2

Page 2 of 2

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 \_\_\_\_\_, on \_\_\_\_\_  
LOCATION DATE Yohan Le Nerrie

Done at Sunnyvale, CA on 07/30/2013  
LOCATION DATE Alexandre Guion

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

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

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

PATENT

REEL: 031038 FRAME: 0286

PATENT

REEL: 043390 FRAME: 0623

ASSIGNMENT

WHEREAS, WE,

Yohan Le Neriec, Alexandre Guion, Judah Menter, Jehan Bing and Daniel Tai 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 **SYSTEM AND METHOD FOR USE OF NETWORK SERVICES IN RECEIVING CONTENT AND DATA** (collectively the "INVENTIONS") for which WE have executed and/or execute one or more patent applications herefor; and

WHEREAS, Orb Networks, Inc. (hereinafter "ASSIGNEE"), a Delaware limited liability company, having a place of business at Mash Building, 428 13<sup>th</sup> St., 3rd Floor, Oakland, CA 94612, 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. Provisional Application No. 61/8002274 filed March 15, 2013, Reference No. ORBN.P119P2, and all utility 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;

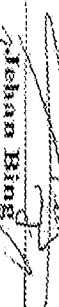
AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, 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 San Francisco, on 3/15/2013  
LOCATION DATE  
  
Yohan Le Nerrie

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

Done at San Francisco, on 3/15/2013  
LOCATION DATE  
  
Judah Menter

Done at San Francisco, on 3/15/2013  
LOCATION DATE  
  
Jehan Hing

Done at San Francisco, on 3/15/2013  
LOCATION DATE  
  
Daniel Tai

PATENT

REEL: 031038 FRAME: 0288

PATENT

REEL: 043390 FRAME: 0625

RECORDED: 08/19/2013

RECORDED: 08/24/2017