04/19/2016 503789032

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3835679

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GREGORY BURNS	06/12/2015
JOSHUA DICKENSON HERSHBERG	03/29/2016
PHIL TIEN NGUYEN	06/12/2015
FRUMA ADINA GEFFEN	06/22/2015

RECEIVING PARTY DATA

Name:	QUALCOMM CONNECTED EXPERIENCES, INC.
Street Address:	5775 MOREHOUSE DRIVE
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121-1714

PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	14636955
Application Number:	61947408
Application Number:	62026024

CORRESPONDENCE DATA

Fax Number: (720)536-4910

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.

Phone: 720.536.4900 rene@nodiplaw.com Email:

NEUGEBOREN O'DOWD PC **Correspondent Name:** 1227 SPRUCE STREET Address Line 1:

Address Line 2: SUITE 200

Address Line 4: BOULDER, COLORADO 80302

ATTORNEY DOCKET NUMBER:	143704U2 143704P1 P2
NAME OF SUBMITTER:	SEAN R. O'DOWD
SIGNATURE:	/Sean R. O'Dowd/
DATE SIGNED:	04/19/2016

Total Attachments: 12 source=143704U2_Assignment_As Filed_April 19 2016#page1.tif source=143704U2_Assignment_As Filed_April 19 2016#page2.tif source=143704U2_Assignment_As Filed_April 19 2016#page3.tif source=143704U2_Assignment_As Filed_April 19 2016#page4.tif source=143704U2_Assignment_As Filed_April 19 2016#page5.tif source=143704U2_Assignment_As Filed_April 19 2016#page6.tif source=143704U2_Assignment_As Filed_April 19 2016#page7.tif source=143704U2_Assignment_As Filed_April 19 2016#page8.tif source=143704U2_Assignment_As Filed_April 19 2016#page9.tif source=143704U2_Assignment_As Filed_April 19 2016#page10.tif source=143704U2_Assignment_As Filed_April 19 2016#page11.tif source=143704U2_Assignment_As Filed_April 19 2016#page12.tif

WHEREAS, WE,

- Gregory Burns, a citizen of the United States of America (US), having a mailing address located at Qualcomm Incorporated, 5775 Morehouse Dr., San Diego, CA 92121 and a resident of Scattle, WA.
- Joshua Dickenson Hershberg, a citizen of Israel (IL), having a mailing address located at Qualcomm Incorporated, 5775 Morehouse Dr., San Diego, CA 92121 and a resident of Beit Shemesh, Israel,
- Phil Tien Nguyen, a citizen of the United States of America (US), baving a mailing address located at Qualcomm Incorporated, 5775 Morehouse Dr., San Diego, CA 92121 and a resident of San Diego, CA,
- 4. Fruma Adina Geffen, a citizen of Israel (IL) and the United States of America (US), having a mailing address located at Qualcomm Incorporated, 5775 Morehouse Dr., San Diego, CA 92121 and a resident of Beit Shemesh, Israel,

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 ACCESS CONTROL LISTS FOR PRIVATE NETWORKS OF SYSTEM AGNOSTIC CONNECTED DEVICES (collectively the "INVENTIONS") for which WE have executed and/or may execute one or more patent applications therefor; and

WHEREAS, Qualcomm Connected Experiences, Inc. (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). 14/636,955 filed March 3, 2015, Qualcomm Reference No. 143704U2, together with U.S. Provisional Application No(s). 61/947,408, filed March 3, 2014, Qualcomm Reference No. 143704P1, and U.S. Provisional Application No(s). 62/026,024, filed July 17, 2014, Qualcomm Reference No. 143704P2, 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 covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

PATENT
OUALCOMM Ref. No. 143704U2
Page 3 of 3

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	LOCATION	DATE	Joshua Dickenson Hershberg
one at	, GW		
	LOCATION	DATE	Phil Tien Nguyen
	3730		
one at	LOCATION	DATE	Fruma Adina Geffen

WHEREAS, WE,

- 1. **Gregory Burns,** a citizen of the United States of America (US), having a mailing address located at Qualcomm Incorporated, 5775 Morehouse Dr., San Diego, CA 92121 and a resident of Seattle, WA,
- 2. **Joshua Dickenson Hershberg,** a citizen of Israel (IL), having a mailing address located at Qualcomm Incorporated, 5775 Morehouse Dr., San Diego, CA 92121 and a resident of Beit Shemesh, Israel,
- 3. **Phil Tien Nguyen**, a citizen of the United States of America (US), having a mailing address located at Qualcomm Incorporated, 5775 Morehouse Dr., San Diego, CA 92121 and a resident of San Diego, CA,
- 4. **Fruma Adina Geffen**, a citizen of Israel (IL) and the United States of America (US), having a mailing address located at Qualcomm Incorporated, 5775 Morehouse Dr., San Diego, CA 92121 and a resident of Beit Shemesh, Israel,

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 ACCESS CONTROL LISTS FOR PRIVATE NETWORKS OF SYSTEM AGNOSTIC CONNECTED DEVICES (collectively the "INVENTIONS") for which WE have executed and/or may execute one or more patent applications therefor; and

WHEREAS, Qualcomm Connected Experiences, Inc. (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). 14/636,955 filed March 3, 2015, Qualcomm Reference No. 143704U2, together with U.S. Provisional Application No(s). 61/947,408, filed March 3, 2014, Qualcomm Reference No. 143704P1, and U.S. Provisional Application No(s). 62/026,024, filed July 17, 2014, Qualcomm Reference No. 143704P2, and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications

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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.

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Door at _	LOCATION	DATE	Phil Tien \gwyen
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WHEREAS, WE,

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- Joshua Dickeuson Hershberg, a citizen of Israel (IL), having a mailing address located at Qualcomm Incorporated, 5775 Morehouse Dr., San Diego, CA 92121 and a resident of Beit Shemesh, Israel,
- Phil Tien Nguyen, a citizen of the United States of America (US), having a mailing address located at Qualcomm Incorporated, 5775 Morehouse Dr., San Diego, CA 92121 and a resident of San Diego, CA.
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PATENT QUALCOMM Ref. No. 143704U2 Page 3 of 3

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	LOCATION	DATE	Joshua Dickenson Hershberg
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	LOCATION	DATE	Phil Tien Nghyen

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- Gregory Burns, a citizen of the United States of America (US), having a mailing address located at Qualcomm Incorporated, 5775 Morehouse Dr., San Diego, CA 92121 and a resident of Seattle, WA,
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PATENT QUALCOMM Ref. No.143704U2 Page 3 of 3

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and the second second	LOCATION	DATE	Gregory Burns
Done at_	LOCATION , on	DATE	Joshua DiekensonHershberg
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Done at _	LOCATION on	DATE	Phil Tien Nguyen
Done at_	<u>lsrael</u> , on LOCATION	32/6/15 DATE	A. Ceff Frama Adina Geffen

PATENT REEL: 038460 FRAME: 0318

RECORDED: 04/19/2016