PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT6604697

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIEL PAZ	02/03/2021
MICHAEL LEVITSKY	03/09/2021
IDAN MICHAEL HORN	03/11/2021
AMIT BAR-OR TILLINGER	03/02/2021
ASSAF TOUBOUL	03/08/2021

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

Property Type	Number
Application Number:	17187582

CORRESPONDENCE DATA

Fax Number: (619)235-0398

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: 619-238-1900
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Correspondent Name: PROCOPIO CORY HARGREAVES & SAVITCH LLP.
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ATTORNEY DOCKET NUMBER:	129025-0724UT01/2101277
NAME OF SUBMITTER:	PATRICK LEMUS
SIGNATURE:	/Patrick Lemus/
DATE SIGNED:	03/16/2021

Total Attachments: 6
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ASSIGNMENT

WHEREAS, WE,

1. **Daniel PAZ,** having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714**,

2. **Michael LEVITSKY,** having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714**,

3. **Idan Michael HORN,** having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714**,

4. **Amit BAR-OR TILLINGER,** having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714**,

5. **Assaf TOUBOUL,** having a mailing address located at **5775 Morehouse Drive, San Diego, CA 92121-1714**,

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 **IMPROVED HARQ RESOURCE ALLOCATION FOR MLC-MSD** (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)**. **17/187,582** filed **February 26, 2021**, **Qualcomm Reference Number 2101277**, 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;

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 Gava Cramel ISRAEL, on 02/03/2021
City, State, Country — Date

Daniel PAZ

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

Done at Rehovot, Israel, on 3/9/2021
City, State, Country Date
Michael LEVITSKY

Done at ______, on ______
City, State, Country Date
Idan Michael HORN

Done at ______, on ______
City, State, Country Date
Amit BAR-OR TILLINGER

Done at ______, on ______
City, State, Country Date
Assaf TOUBOUL

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

Done at ________________, on ________________
City, State, Country Date
Michael LEVITSKY

Done at Hod Hasharon, on 11-March-2021
City, State, Country Date
Idan Michael HORN

Done at ________________, on ________________
City, State, Country Date
Amit BAR-OR TILLINGER

Done at ________________, on ________________
City, State, Country Date
Assaf TOUBOUL

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

Done at ____________________, on ____________________ ______________________________
City, State, Country Date **Michael LEVITSKY**

Done at ____________________, on ____________________ ______________________________
City, State, Country Date **Idan Michael HORN**

Done at TelAviv, Israel on Mar-2, 2021 ______________________________
City, State, Country Date **Amit BAR-OR TILLINGER**

Done at ____________________, on ____________________ ______________________________
City, State, Country Date **Assaf TOUBOUL**

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

Done at ________________, on ________________
City, State, Country Date

Michael LEVITSKY

Done at ________________, on ________________
City, State, Country Date

Idan Michael HORN

Done at ________________, on ________________
City, State, Country Date

Amit BAR-OR TILLINGER

Done at Hod Hasharon, Israel, on 03/08/2021
City, State, Country Date

Assaf TOUBOUL