# 506604127 04/12/2021

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6650932

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ALICAN NALCI	04/06/2021
HILMI ENES EGILMEZ	12/15/2020
VADIM SEREGIN	08/24/2020
MUHAMMED ZEYD COBAN	11/10/2020
MARTA KARCZEWICZ	08/20/2020

#### 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:	16899063

## **CORRESPONDENCE DATA**

**Fax Number:** (651)735-1102

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:** 6517351100

Email:pairdocketing@ssiplaw.comCorrespondent Name:SHUMAKER & SIEFFERT P. A.Address Line 1:1625 RADIO DRIVE SUITE 100Address Line 4:WOODBURY, MINNESOTA 55125

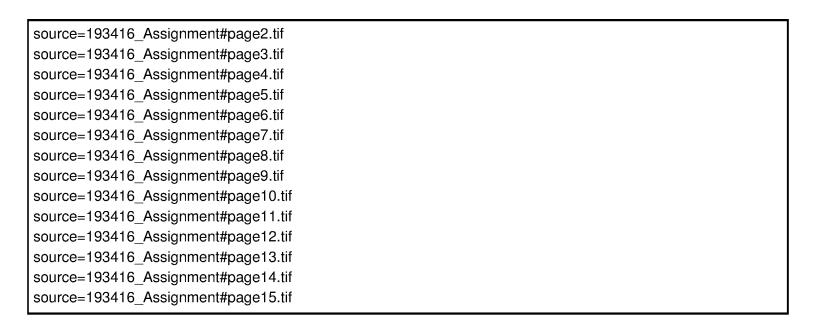
ATTORNEY DOCKET NUMBER:	1414-806US01/193416
NAME OF SUBMITTER:	SHIRLEY A. BETLACH
SIGNATURE:	/Shirley A. Betlach/
DATE SIGNED:	04/12/2021

**Total Attachments: 15** 

source=193416\_Assignment#page1.tif

PATENT REEL: 055889 FRAME: 0719

506604127



WHEREAS, WE,

- 1. Alican NALCI, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714.
- 2. Hilmi Enes EGILMEZ, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714.
- 3. Vadim SEREGIN, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714,
- 4. Muhammed Zeyd COBAN, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714,
- 5. Marta KARCZEWICZ, 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 TRANSFORM AND LAST SIGNIFICANT COEFFICIENT POSITION SIGNALING FOR LOW-FREQUENCY NON-SEPARABLE TRANSFORM IN VIDEO CODING (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). 16/899,063 filed June 11, 2020, Qualcomm Reference Number 193416, and all provisional applications relating thereto, together with U.S. Provisional Application No(s). 62/861,828, filed June 14, 2019, Qualcomm Reference Number 193416P1 and U.S. Provisional Application No(s). 62/868,346, filed June 28, 2019, Qualcomm Reference Number 193416P2, (and do hereby authorize ASSIGNEE and its

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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.

	City, State	on <u>04/06/2521</u> Date	Alican NALCI
Done at _		, on	
	City, State	Date	Hilmi Enes EGILMEZ
Done at _		, on	
	City, State	Date	Vadim SEREGIN
Done at		, on	
	City, State	Date	Muhammed Zeyd COBAN
Done at		_, on	
	City, State		Maria KARCZEWICZ

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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;

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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;

PATENT
Qualcomm Reference Number: 193416
Page 3 of 3

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	Date	Alican NALCI
Done at 🚨	San Diego, CA	, on <u>12 / 15 / 202</u> 0 Date	11.55
	City, State	Date	Hilmi Enes EGILMEZ
Plana at			
Done at	City, State	Date	Vadim SEREGIN
Done at		on	
	City, State	Date	Muhammed Zeyd COBAN
Done at	City, State	on	Marta KARCZEWICZ

WHEREAS, WE,

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PATENT

Qualconia Reference Number, 193416

Page 3 of 3

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Process of	City State	On Date	Alican NALCI	
Done at	City, State	on	Hilmi Enes EGILMEZ	******
Day	<u> </u>	on <u>*/*//****</u> Date	Valley Josepha Vadim SEREGIN	
Direct		On Date	Muhammed Zeyd COBAN	
Description		on Date	Marta KARCZEWICZ	

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PATENT Qualcomm Reference Number: 193416 Fage 3 of 3

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Done at	. on	
City, State	Dass	Alican NALCI
Done at City, State	, on Date	Hilmi Enes EGILMEZ
Done at	an and a second	
City, State	Dare	Vadim SEREGIN
Done at 90 NOIE 40	LA.m 11/10/2020	110 111 (112
City, State		Muhammed Zéyd COBAN
Done at	535	Control
City, State		Marta KARCZEWICZ

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Done at		, 00	
	City, State	Date	Alican NALCI
Done at _		, on	
	City, State	Date:	Hilmi Enes EGILMEZ
Done at _		, on	
	City, State	Date	Vadim SEREGIN
Done at _		, on	
	City, State	Date	Muhammed Zeyd COBAN
Done at	'nn Dian.U	ton 108/20/2020	Marta KARCZEWICZ
The second second	City, State)	Date	Marta KARCZEWICZ

PATENT REEL: 055889 FRAME: 0735

**RECORDED: 04/12/2021**