505716129 10/09/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIAN-GUO CHEN	10/03/2019
DAVID T. DOUGHERTY	10/03/2019
STEVEN PINAULT	10/03/2019
PARAKALAN VENKATARAGHAVAN	07/19/2019
JOSEPH WILLIAMS	07/24/2019
MENG-LIN YU	10/07/2019
KAMRAN AZADET	10/03/2019

RECEIVING PARTY DATA

Name:	INTEL CORPORATION
Street Address:	2200 MISSION COLLEGE BOULEVARD
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16457994

CORRESPONDENCE DATA

Fax Number:

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: 4086750441

Email: carla.nascimento@ndwe.com

Correspondent Name: NDWE LLP/INTEL

Address Line 1: 99 ALMADEN BLVD., STE 710
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ATTORNEY DOCKET NUMBER:	42AB8685-US
NAME OF SUBMITTER:	SCOTT A. SIMMONS
SIGNATURE:	/Scott A. Simmons, 60,206/
DATE SIGNED:	10/09/2019

Total Attachments: 7 source=AB8685-US_Assgn_SIGNED#page1.tif source=AB8685-US_Assgn_SIGNED#page2.tif source=AB8685-US_Assgn_SIGNED#page3.tif source=AB8685-US_Assgn_SIGNED#page4.tif source=AB8685-US_Assgn_SIGNED#page5.tif source=AB8685-US_Assgn_SIGNED#page6.tif source=AB8685-US_Assgn_SIGNED#page7.tif

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

JIAN-GUO CHEN; DAVID T. DOUGHERTY; STEVEN PINAULT; PARAKALAN VENKATARAGHAVAN; JOSEPH WILLIAMS; MENG-LIN YU; KAMRAN AZADET

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

APPARATUSES, METHODS, AND SYSTEMS FOR A USER DEFINED FORMATTING INSTRUCTION TO CONFIGURE MULTICAST BENES NETWORK CIRCUITRY

tesignated unes below, the t	mug nate and appreason number of :	said appocation when known.)	
which was filed on	June 29, 2019	as	
U.S. COUNTRY or Iniz	Application Number	16/457.994	_ and

(I hereby authorize and request any attorney having appropriate authority from the assignee to insert on the

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below.

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignce may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignce, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute

Page 1 of 2

all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Josepho Chen	10/3/2019
Jian-Guo Chen	Date signed
David T. Dougherty	Date signed
Steven Pinault	Date signed
Parakalan Venkataraghavan	Date signed
Joseph Williams	July 24, 2019
Joseph Williams	July 24, 2019 Date signed
Meng-Lin Yu	Date signed
Kamran Azadet	Date signed

all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

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Jian-Guo Chen	Date signed
all Dyla	10/3/19
David T. Dougherty	Date signed
Steven Pinault	Date signed
Parakalan Venkataraghavan	Date signed
Joseph Williams	Date signed
Meng-Lin Yu	Date signed
Kamran Azadet	Date signed

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Jian-Guo Chen	Date signed
David T. Dougherty	Date signed
Steven Pinault	Date signed
P. Venkakaragharjan	July 19, 2019
Parakalan Venkataraghayan	Date signed
Joseph Williams	Date signed
Meng-Lin Yu	Date signed
Kanıran Azadet	Date signed

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Jian-Guo Chen	Date signed
David T. Dougherty	Date signed
Steven Pinault	Date signed
Parakalan Venkataraghayan	Date signed
Joseph Williams	Date signed
Meng-Lin Yu	10/7/2019 Date signed
Kamran Azadet	Date signed

Page 2 of 2

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Jian-Guo Chen	Date signed
David T. Dougherty	Date signed
Steven Pinault	Date signed
Parakalan Venkataraghavan	Date signed
Joseph Williams	Date signed
Meng-Lin Yu	Date signed
Kamran Azadet	10/03/19 Date signed

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