505828677 12/18/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BEN ASHBAUGH	08/29/2019
JONATHAN PEARCE	05/09/2019
MURALI RAMADOSS	11/06/2019
VIKRANTH VEMULAPALLI	08/29/2019
WILLIAM B. SADLER	05/01/2019
SUNGYE KIM	05/02/2019
MARIAN ALIN PETRE	04/30/2019

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:	16355130

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.

Email: intel-paralegals@jwmhlaw.com

Correspondent Name: JAFFERY WATSON MENDONSA & HAMILTON LLP

Address Line 1: 7501 VILLAGE SQUARE DRIVE, SUITE 206

Address Line 4: CASLTE PINES, COLORADO 80108

ATTORNEY DOCKET NUMBER:	AB9938-US
NAME OF SUBMITTER:	KRISTA BOWEN
SIGNATURE:	/Krista Bowen/
DATE SIGNED:	12/18/2019

Total Attachments: 8

PATENT REEL: 051325 FRAME: 0680

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PATENT REEL: 051325 FRAME: 0681

Attorney Docket No.: AB9938-US

ASSIGNMENT

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

Ben Ashbaugh, Jonathan Pearce, Murali Ramadoss, Vikranth Vemulapalli William Sadler, Sungye Kim and Marian Alin Petre

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:

THREAD GROUP SCHEDULING FOR GRAPHICS PROCESSING

(I hereby authorize and request any attorney having appropriate authority from the assignee to insert	on the
designated lines below, the filing date and application number of said application when known.)	

which was filed on	March 15, 2019	as	
United States	Application Number	16/355,130	and
COUNTRY or Int	ernational Office		

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 Assignee 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 Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute 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

Page 1 of 2

Attorney Docket No.: AB9938-US

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

Daffer	August 29, 2019
Ben Ashbaugh	Date signed
Jonathan Pearce	Date signed
Murali Ramadoss	Date signed
Vikranth Vemulapalli	Date signed
William Sadler	Date signed
Sungye Kim	Date signed
Marian Alin Petre	Date signed

Attorney Docket No.: AB9838-US

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 Assignce, its successors, assigns, and legal representatives; and

Ben Ashbangh A A C	Date signed
Jonathan Pearce	Date signed
Murali Ramadoss	Date signed
Vikranth Vemulapalli	Date signed
William Sadler	Date signed
Sangye Kim	Date signed
Marian Alin Petre	Date signed

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Ben Ashbaugh	Date signed
Jonathan Pearce	Date signed
	Date signed
Murali Ramadoss	Date signed
Vikranth Vemulapalli	Date signed
William B. Sadler	Date signed
Sungye Kim	Date signed
Marian Alin Petre	Date signed

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Ben Ashbaugh	Date signed
Jonathan Pearce	Date signed
Murali Ramadoss	Date signed
1/ Volkarath	88/29/2019
Vikranth-Vemulápalli	Date signed
William B. Sadler	Date signed
Sungye Kim	Date signed
Marian Alin Petre	Date signed

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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.

Ben Ashbaugh	Date signed
Jonathan Pearce	Date signed
Murali Ramadoss	Date signed
Vikranth Vemulapalli	Date signed
William B Radles	5/1/2019
William B. Sadler /	Date signed
Sungye Kim	Date signed
Marian Alin Petre	Date signed

Page 2 of 2

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

Ben Ashbaugh	Date signed
Jonathan Pearce	Date signed
Murali Ramadoss	Date signed
Víkranth Vemulapalli	Date signed
William Sadler	Date signed
1241	5/2/2019 Date signed
Sungye Kim	Date signed
Marian Alin Petre	Date signed

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Ben Ashbaugh	Date signed
Jonathan Fearce	Date signed
Murali Ramadoss	Date signed
Vikranth Vemulapalli	Date signed
William Sadler	Date signed
Sungye Kim	Date signed
	04/30/2019
Marian Alin Petre	Date signed

Page 2 of 2