505602088 08/01/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5648888

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BALAJI VEMBU	11/29/1993
BRANDON FLIFLET	12/19/2018
JAMES VALERIO	07/22/2019
MICHAEL APODACA	12/20/2018
BEN ASHBAUGH	01/03/2019
HEMA NALLURI	12/27/2018
ANKUR SHAH	07/22/2019
MURALI RAMADOSS	02/19/2019
DAVID PUFFER	01/02/2019
ALTUG KOKER	02/15/2019
ADITYA NAVALE	02/15/2009
ABHISHEK R. APPU	02/15/2019
JOYDEEP RAY	12/27/2018
TRAVIS SCHLUESSLER	12/18/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16243624

CORRESPONDENCE DATA

Fax Number: (720)815-3362

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: 303-589-7202

Email: intel-paralegals@jwmhlaw.com

PATENT REEL: 049935 FRAME: 0524

505602088

Correspondent Name: INTEL CORPORATION/JWMH
Address Line 1: 7501 VILLAGE SQUARE DRIVE

Address Line 2: SUITE 206

Address Line 4: CASTLE ROCK, COLORADO 80108

ATTORNEY DOCKET NUMBER:	AB4750-US
NAME OF SUBMITTER:	APRIL PIEPENBURG
SIGNATURE:	/April Piepenburg/
DATE SIGNED:	08/01/2019

Total Attachments: 13

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PATENT REEL: 049935 FRAME: 0525

ASSIGNMENT

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

BALAJI VEMBU, BRANDON FLIFLET, JAMES VALERIO, MICHAEL APODACA, BEN ASHBAUGH, HEMA NALLURI, ANKUR SHAH, MURALI RAMADOSS, DAVID PUFFER, ALTUG KOKER, ADITYA NAVALE, ABHISHEK R. APPU, JOYDEEP RAY TRAVIS SCHLUESSLER

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:

WORKLOAD SCHEDULING AND DISTRIBUTION ON A DISTRIBUTED GRAPHICS DEVICE

(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	1/9/19	as	
US	Application Number	16/243,624	and
COUNTRY or Int	ernational Office		

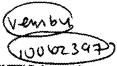
which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

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

Page 1 of 3

Corporate NEO Document



In exchange for being employed by intel Corporation, its subsidiaries, affiliates, or successors (hereinafter "INTEL"), I agree that:

- 1. While working for INTEL: I will perform my assigned duties and comply with all INTEL policies, procedures, guidelines, rules and instructions including intel's Business Code of Conduct.
- 2. Without additional compensation, I will promptly disclose and, to the full extent allowed by law, assign to INTEL all rights to which I may be entitled with respect to designs, trademarks, copyrights, maskworks, discoveries, formulae, processes, manufacturing techniques, trade secrets, inventions, improvements, ideas or copyrightable works: (i) relating to INTEL's business, whether or not developed during normal working hours; or (ii) which were developed with the use or aid of any INTEL equipment, supplies, or facilities; or (iii) which used any proprietary or confidential information of INTEL or proprietary or confidential information of a third party, access to which (obtained through INTEL.
- I am not conveying rights in inventions I made prior to working for INTEL, which inventions have been identified as of my hire date in a written document which contains no confidential information. Furthermore, I am not required to assign any invention to INTEL where no INTEL equipment, supplies, facilities, or trade secret information was used and which was developed entirely on my own time and (a) which does not relate to (1) INTEL's business or (2) to INTEL's actual or demonstrably anticipated research or development, and (b) which does not result from my INTEL work.
- 4. At all times, both during and after my INTEL employment, I will do whatever is reasonably requested by INTEL, at INTEL's expense, to assist INTEL in obtaining and enforcing INTEL's rights throughout the world with respect to the assignments which I have made or am obligated to make to INTEL under this Agreement.
- 5. At all times, both during and after my employment by INTEL, I will hold in confidence and will not use (except for the benefit of INTEL) or disclose without INTEL's written authorization any information (technical or otherwise) I had access to or created during the period of my employment which pertains to any aspect of INTEL's business and is either unknown to actual or potential competitors of INTEL or is proprietary or confidential information of INTEL, its customers, or its suppliers, until such information either becomes generally known outside INTEL by legal means, or for the maximum period of time for maintaining trade secrets as permitted by law in the state in which I am employed, if such period is shorter. I agree not to make unauthorized copies of such confidential information and to return to INTEL upon my termination, or upon INTEL's request, all tangible forms of such confidential information including drawings, computerized data or programs, specifications, documents, devices, models, list of employees, or any other INTEL confidential material.
- 6. At all times I will treat confidential information of third parties to which I have had access during my employment by INTEL according to the terms of any agreement between INTEL and the third parties respecting such third party confidential.
- 7. I represent that I have not brought and will not bring to INTEL or use in the performance of my duties at INTEL any proprietary or confidential information (whether or not in writing) of a former employer or third party without the employer's or third party's written authorization.
- 8. This Agreement (a) survives my employment by INTEL; (b) does not in any way restrict my right or the right of INTEL to terminate my employment at will, (c) incres to the benefit of successors and assigns of INTEL, and (d) is binding upon my hairs and legal representatives.
- 9. To the best of my information and belief, I am not a party to any other agreement which will interfere with my full compliance with this Agreement, except as specifically identified as of my hire date in a written document which contains no confidential information.

10. I certify and acknowledge that I have carefully read all of the provisions of this Agreement and that I understand and will fully and faithfully comply with such provisions.

INTEL THOMAS DUNLAP Vice President, General Counsel and Secretary

Signature BALAJI VEMBU Printed Name (please print clearly) Social Security Number

EMPLOYEE

11-29-93

Oate

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.

BALAJI VEMBU	Date signed
Brando Tilett	12/19/2018
BRANDON FLIFLET	Date signed
JAMES VALERIO	Date signed
MICHAEL APODACA	Date signed
BEN ASHBAUGH	Date signed
HEMA NALLURI	Date signed
ANKUR SHAH	Date Signed
MURALI RAMADOSS	Date Signed
DAVID PUFFER	Date Signed

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BALAJI VEMBU	Date signed
BRANDON FLIFLET	Date signed
and the	7/22/2015 Date signed
JAMES VALERIO	Date signed
MICHAEL APODACA	Date signed
BEN ASHBAUGH	Date signed
HEMA NALLURI	Date signed
ANKUR SHAH	Date Signed
MURALI RAMADOSS	Date Signed
DAVID PUFFER	Date Signed

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BALAJI VEMBU	Date signed
BRANDON FLIFLET	Date signed
JAMES VALERIO	Date signed
	12/20/18
MICHAEL APODACA	Date signed
BEN ASHBAUGH	Date signed
HEMA NALLURI	Date signed
ANKUR SHAH	Date Signed
MURALI RAMADOSS	Date Signed
DAVID PUFFER	Date Signed

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BALAJI VEMBU	Date signed
BRANDON FLIFLET	Date signed
JAMES VALERIO	Date signed
MICHAEL APODACA	Date signed
BEN ASHBAUGH	January 3, 2019 Date signed
	Dute signed
HEMA NALLURI	Date signed
ANKUR SHAH	Date Signed
MURALI RAMADOSS	Date Signed
DAVID PUFFER	

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BALAJI VEMBU	Date signed
BRANDON FLIFLET	Date signed
JAMES VALERIO	Date signed
MICHAEL APODACA	Date signed
BEN ASHBAUGH	Date signed
	29th Dec 2018
HEMASALLURI	Date signed
ANKUR SHAH	Date Signed
MURALI RAMADOSS	Date Signed
DAVID PUFFER	Date Signed

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BALAJI VEMBU	T-0
DALAJI YEMBO	Date signed
BRANDON FLIFLET	Date signed
JAMES VALERIO	Date signed
MICHAEL APODACA	Date signed
w ya wa wasan da kata wa kata w Manazaria wa kata wa k	
BEN ASHBAUGH	Date signed
HEMA NALLURI	Date signed
h L	01/22/19
ANKÛR SHAH	Date Signed
MURALI RAMADOSS	Date Signed
DAVID PUFFER	Date Signed

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BALAJI VEMBU	Date signed
BRANDON FLIFLET	Date signed
JAMES VALERIO	Date signed
MICHAEL APODACA	Date signed
BEN ASHBAUGH	Date signed
HEMA NALLURI	Date signed
ANKUR SHAH	Date Signed

The state of the s	2/19/19 Date Signed
MÜRALI RAMADOSS	Date Signed
AT A NO A BACK BACK A BACK BACK SAFE SAFE SAFE SAFE	2000
DAVID PUFFER	Date Signed
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JAMES VALERIO	Date signed
MICHAEL APODACA	Date signed
BEN ASHBAUGH	Date signed
HEMA NALLURI	Date signed
ANKUR SHAH	Date Signed
MURALI RAMADOSS	Date Signed
David Cife	Jan 2,2019 Date Signed
DAVID PUFFER	Transfer on a service on

	Attorney Docket No.: AB4750-US $2/15/209$
ALTUG KOKER	Date Signed
JUGAL	2/15/2007
ADITYA NAVALE	Date Signed /
Abholice & Abby	2/15/2019
ABHISHEK R. APPU 💮 🐇	Date Signed
	*
JOYDEEP RAY	Date Signed
TRAVIS SCHLUESSLER	Date Signed

	Attorney Docket No.: AB4750-U
ALTUG KOKER	Date Signed
	w
ADITYA NAVALE	Date Signed
ABHISHEK R. APPU	Date Signed
Jayles lay	12-27-18
JOYDEEP RÂY	Date Signed
TRAVIS SCHLUESSLER	Date Signed

	ATTOPOCY LOCKET NO.; AB4/30-1/8
ALTUG KOKER	Date Signed
ALTTYA NAVALE	Date Signed
ABHISHEK R. APPU	Date Signed
JOYDEEP RAY	Date Signed
That some ster	12/18/18 Date Signed