

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4450564

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SAURABH SHARMA	05/15/2017
ABHISHEK VENKATESH	05/15/2017
TRAVIS T. SCHLUUESSLER	04/26/2017
PRASOONKUMAR SURTI	05/15/2017
ALTUG KOKER	05/15/2017
ARAVINDH V. ANANTARAMAN	05/16/2017
PATTABHIRAMAN K.	05/17/2017
ABHISHEK R. APPU	05/15/2017
JOYDEEP RAY	05/15/2017
KAMAL SINHA	05/15/2017
VASANTH RANGANATHAN	05/15/2017
BHUSHAN M. BOROLE	04/27/2017
WENYIN FU	04/28/2017
ERIC J. HOEKSTRA	06/06/2017
LINDA L. HURD	06/07/2017

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:	15483236

CORRESPONDENCE DATA

Fax Number: (713)468-8883

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: (713) 468-8880

Email: tphpto@tphm.com
Correspondent Name: TROP PRUNER & HU, P.C.
Address Line 1: 1616 S. VOSS RD.
Address Line 2: SUITE 750
Address Line 4: HOUSTON, TEXAS 77057-2631

ATTORNEY DOCKET NUMBER: ITL.3588US (P115362)

NAME OF SUBMITTER: TIMOTHY N. TROP

SIGNATURE: /Timothy N. Trop/

DATE SIGNED: 06/08/2017

Total Attachments: 12

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ASSIGNMENT

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

**Saurabh Sharma, Abhishek Venkatesh, Travis T. Schluessler
Prasoonkumar Surti, Altug Koker, Aravindh V. Anantaraman
Pattabhiraman K., Abhishek R. Appu, Joydeep Ray,
Kamal Sinha, Vasanth Ranganathan, Bhushan M. Borole
Wenyin Fu, Eric J. Hoekstra, Linda L. Hurd**

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:

FREQUENT DATA VALUE COMPRESSION FOR GRAPHICS PROCESSING UNITS

(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 April 10, 2017 as

U.S. Application Number 15/483,236 and
COUNTRY or International Office

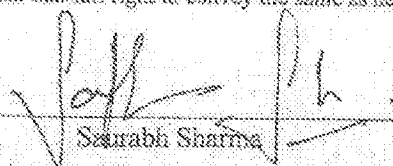
which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

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

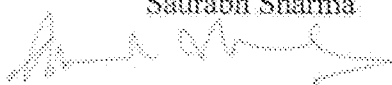
legal representatives, to carry out in good faith the intent and purpose of this Assignment; the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other 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 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.

 Saurabh Sharma	05/15/17 Date Signed
Abhishek Venkatesh	Date Signed
Travis T. Schuessler	Date Signed
Prasoonkumar Surti	Date Signed
Aftug Koker	Date Signed
Aravindh V. Anantaraman	Date Signed
Pattabhiraman K.	Date Signed
Abhishek R. Appu	Date Signed
Joydeep Ray	Date Signed

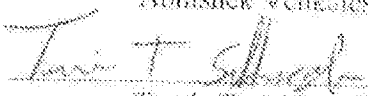
and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent 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 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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..... Abhishek Venkatesh Date Signed
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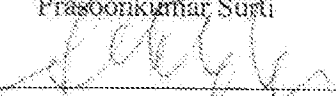
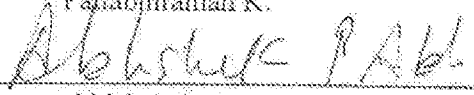

legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other 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 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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Saurabh Sharma	Date Signed
Abhishek Venkatesh	Date Signed
 Travis T. Schluesser	4/26/17 Date Signed
Prasoonkumar Surti	Date Signed
Ahug Koker	Date Signed
Aravindly V. Anantaraman	Date Signed
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Abhishek K. Appa	Date Signed
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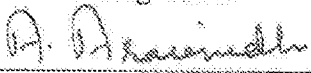
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_____ Abhishek Venkatesh	_____ Date Signed
_____ Travis T. Schluessler	_____ Date Signed
 _____ Praseonkumar Surti	5/15/17 _____ Date Signed
 _____ Anug Koker	5/15/2015 _____ Date Signed
_____ Aravindh V. Anantaraman	_____ Date Signed
_____ Pattabhiraman K.	_____ Date Signed
 _____ Abhishek R. Appu	5-15-2017 _____ Date Signed
 _____ Joydeep Ray	5-15-17 _____ Date Signed

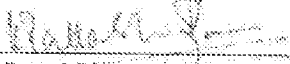
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Altug Koker	Date Signed
	05/16/2017
Aravindh V. Anantaraman	Date Signed
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Altug Koker	Date Signed
_____	_____
Aravindh V. Anantaraman	Date Signed
	17 - MAY - 2019
Pattabhiraman K.	Date Signed
_____	_____
Abhishek R. Appu	Date Signed
_____	_____
Joydeep Ray	Date Signed

Kamal Sinha

Kamal Sinha

05/15/17

Date Signed

Vasanth Ranganathan

Date Signed

Bhushan M. Borole

Date Signed

Wenyin Fu

Date Signed

Eric J. Hoekstra

Date Signed

Linda L. Hurd

Date Signed

Kamal Sinha

R. Vasanthan

Vasanth Ranganathan

Date Signed

5/15/2017

Date Signed

Bhushan M. Borole

Date Signed

Wenyin Fu


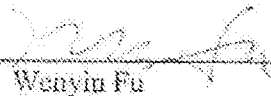
Date Signed

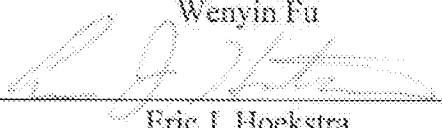
Eric J. Hoekstra

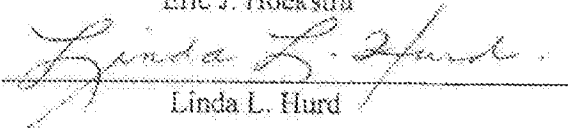
Date Signed

Linda L. Hurd

Date Signed

Kamal Sinha	Date Signed
Vasanth Ranganathan	Date Signed
	04/27/2017
Bhushan M. Borole	Date Signed
	04/28/2017
Wenyin Fu	Date Signed
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_____ Eric J. Hoekstra	_____ Date Signed
 _____ Linda L. Hurd	_____ 6/7/2017 _____ Date Signed