504462948 07/19/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ABHISHEK R. APPU	06/07/2017
BALAJI VEMBU	06/07/2017
ALTUG KOKER	06/07/2017
BRYAN R. WHITE	04/28/2017
DAVID J. COWPERTHWAITE	05/01/2017
JOYDEEP RAY	07/03/2017
MURALI RAMADOSS	06/07/2017

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:	15493522

CORRESPONDENCE DATA

Fax Number: (303)265-9241

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: 303.800.6678

Email: paralegals@alpinetechlaw.com

Correspondent Name: ALPINE TECHNOLOGY LAW GROUP LLC

Address Line 1: 9249 S. BROADWAY BLVD.

Address Line 2: UNIT 200-201

Address Line 4: HIGHLANDS RANCH, COLORADO 80129

ATTORNEY DOCKET NUMBER:	P115550
NAME OF SUBMITTER:	APRIL PIEPENBURG
SIGNATURE:	/April Piepenburg/
DATE SIGNED:	07/19/2017

504462948 PATENT REEL: 043039 FRAME: 0779

Total Attachments: 5 source=P115550Assignment_ALL#page1.tif source=P115550Assignment_ALL#page2.tif source=P115550Assignment_ALL#page3.tif

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PATENT REEL: 043039 FRAME: 0780

Attorney Docket No.: P115550

<u>ASSIGNMENT</u>

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

Abhishek R. Appu, Balaji Vembu, Altug Koker, Bryan R. White, David J. Cowperthwaite, Joydeep Ray, Murali Ramadoss

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:

GRAPHICS ENGINE PARTITIONING MECHANISM

(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	<u>April 21, 2017</u>	as	
United States	Application Number	15493522	and
COUNTRY or Inte	rnational 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

PATENT REEL: 043039 FRAME: 0781 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.

MAJERAL	6.201
Abhishek R. Appu	Date signed
	403/2017
Bajaji Vembu	Date signed
	6/7/2017
Altug Koker	Date signed
Bryan R. White	Date signed
David J. Cowperthwaite	Date signed
Joydeep Ray	Date signed
	<u> 6/2/12</u>
Murali Ramadoss	Date signed

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economic with and Amignes, in account, unique, and legal expension. Secure, or other agreement affecting the rights and property firsten and development and the legal expension of the secure as forces are presented to p	cycle has been made to others by the on-
Abbishek R. Appu	Date signed
Baluji Vembs	Date signed
Altag Koker (2) (4) (5) (6) (7) (8) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	Duse signed 1/25/20/2 Date signed
David J. Comperthwaite	Date signed
Joydeep Ray	Date signed
Mereli Ramados	Date signed

PATENT REEL: 043039 FRAME: 0783 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 R. Appu	Date signed	
Balaji Vembu	Date signed	
Altug Koker	Date signed	~
Bryan R. White	Date signed	
11/2	May 1 2017	
David J. Cowperthwaite	Date signed	
Joydeep Ray	Date signed	
Murali Ramadoss	Date signed	

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Attorney Docket No.: P115550

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 R. Appu	Date signed
Balaji Vembu	Date signed
Altug Koker	Date signed
Bryan R. White	Date signed
David J. Cowperthwaite	Date signed
Jaydeep Ray	7-1-13- Date signed
Murali Ramadoss	Date signed

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