505229005 12/10/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YAO ZU DONG	10/11/2018
KUN TIAN	10/17/2018

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:	16080234

CORRESPONDENCE DATA

Fax Number: (408)675-0442

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: 408-675-0441
Email: carla@ndwe.com
Correspondent Name: NDWE LLP/INTEL

Address Line 1: 99 ALMADEN BOULEVARD, SUITE 710

Address Line 4: SAN JOSE, CALIFORNIA 95113

ATTORNEY DOCKET NUMBER:	EY DOCKET NUMBER: 42P89365PCT-US	
NAME OF SUBMITTER:	THOMAS C. WEBSTER, REG. NO. 46,154	
SIGNATURE:	/Thomas C. Webster/	
DATE SIGNED:	12/10/2018	

Total Attachments: 4

source=2018-12-10_42P89365PCT-US_Assignment_YaoZuDONG#page1.tif source=2018-12-10_42P89365PCT-US_Assignment_YaoZuDONG#page2.tif source=2018-12-10_42P89365PCT-US_Assignment_KunTIAN#page1.tif source=2018-12-10_42P89365PCT-US_Assignment_KunTIAN#page2.tif

PATENT 505229005 REEL: 047732 FRAME: 0837

ASSIGNMENT

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

Yao Zu DONG; Kun TIAN

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 ("Assignce"), 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:

METHOD AND APPARATUS PERIODIC SNAPSHOTTING IN A GRAPHICS PROCESSING ENVIRONMENT

(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 on08/27/2018		38	
US	Application Number		c

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 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 Assignce, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and

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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.

Yaour Dong	2018/10/11
Yao Zu DONG	Date signed
Kun TIAN	Date signed

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which was filed on08	/27/2018		
US COUNTRY or Internation	Application Number	16/080,234 as	i

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;

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Page 1 of 2

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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.

	Yao Za DONG	Date signed
	(DXA)	2018-10-1
	Kun TIAN	Date signed