504596717 10/17/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4643429

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KARTHIK KUMAR	10/16/2017
FRANCESC GUIM BERNAT	10/13/2017
THOMAS WILLHALM	10/11/2017
MARK A. SCHMISSEUR	10/09/2017

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:	15719853

CORRESPONDENCE DATA

Fax Number: (919)999-2798

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: (919) 636-4767 Email: intel@kdbfirm.com

Correspondent Name: KACVINSKY DAISAK BLUNI PLLC

Address Line 1: 430 DAVIS DRIVE

Address Line 2: SUITE 150

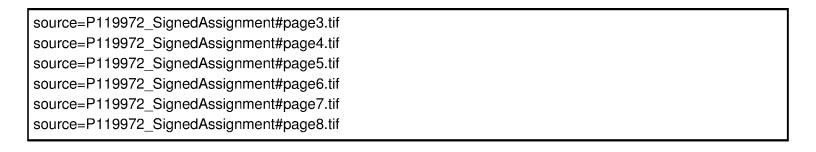
Address Line 4: MORRISVILLE, NORTH CAROLINA 27560

ATTORNEY DOCKET NUMBER:	P119972/1020P119972
NAME OF SUBMITTER:	VICKI K. VANN
SIGNATURE:	/vicki k. vann/
DATE SIGNED:	10/17/2017

Total Attachments: 8

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PATENT 504596717 REEL: 043879 FRAME: 0698



PATENT REEL: 043879 FRAME: 0699

ASSIGNMENT

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

Karthik Kumar; Francesc Guim Bernat; Thomas Willhalm; Mark A. Schmisseur

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:

Memory Filtering for Disaggregate Memory Architectures

(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	September 29, 2017	as		
US COUNTRY or International Office	Application Number	***************************************	15/719,853	and

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.

Almena	10.16.17
Karthik Kumar	Date signed
Francesc Guim Bernat	Date signed
Thomas Willhalm	Date signed
Mark A. Schmisseur	Date signed

ASSIGNMENT

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and agree that said Assigned may apply for and receive a patent or patents for said inventions and improvements in its contracts, and that, when requested, without charge to, but at the expense of said Assignment its successors, assigns, and expense of this Assignment, the undersigned will execute a second sold and inventions and improvements, execute a second sold and inventions and improvements, execute a second sold and assignment, proves of all oney and other papers communicate to and Assignments assignment. The sales are also second sold and assignment and approvements and assignment and assignment and assignment and assignment as a second sold as a second sold assignment and assignment and assignment and assignment and assignment as a second sold assignment and assignment as a second sold assignment.

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the control and the later to the control and the later representatives that the many more at the first page. Exercise for other aproximent affecting the rights and property herein conveyed has been made to others by the underay red, and that full right to country the same as herein expressed is processed by the undersymed

Karthik Kumar	Date signed
<u> </u>	13 odleta 1019
Francesc Guim Hernat	Date signed
Thomas Willhalm	Date signed
Mark A. Schmisseur	Date signed

PATENT

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

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		16
September 29, 2017	as	
Application Number	15/719,853	and
	plication number of said ap	

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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

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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Karthik Kumar	Date signed
Francesc Guim Bernat	Date signed
Hour William	11-024-2017
Thomas Willhalm	Date signed
Mark A. Schmisseur	Date signed

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Mark A. Schmisseur