

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4919693

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the MIDDLE INITIAL OF THE FIRST INVENTOR'S NAME FROM "E." TO "M." previously recorded on Reel 040068 Frame 0481. Assignor(s) hereby confirms the CORRECT MIDDLE INITIAL OF THE FIRST INVENTOR'S NAME IS M.
CONVEYING PARTY DATA	
Name	Execution Date
DAVID M. DURHAM	04/09/2018
SIDDHARTHA CHHABRA	04/06/2018
SERGEJ DEUTSCH	04/06/2018
MICHAEL E. KOUNAVIS	04/16/2018
ALPA T. NARENDRA TRIVEDI	04/11/2018
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:	15283339
CORRESPONDENCE DATA	
Fax Number:	(503)796-2900
<i>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.</i>	
Phone:	(503) 222-9981
Email:	elawless@schwabe.com
Correspondent Name:	SCHWABE, WILLIAMSON & WYATT, P.C.
Address Line 1:	1211 SW FIFTH AVENUE, SUITE 1600
Address Line 4:	PORTLAND, OREGON 97204
ATTORNEY DOCKET NUMBER:	116536-217752 (P107754)
NAME OF SUBMITTER:	ENOY LAWLESS
SIGNATURE:	/Enoy Lawless/
DATE SIGNED:	04/17/2018

Total Attachments: 8

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>DAVID E. DURHAM</td><td>09/13/2016</td></tr><tr><td>SIDDHARTHA CHHABRA</td><td>09/13/2016</td></tr><tr><td>SERGEJ DEUTSCH</td><td>09/13/2016</td></tr><tr><td>MICHAEL E. KOUNAVIS</td><td>09/13/2016</td></tr><tr><td>ALPA T. NARENDRA TRIVEDI</td><td>09/16/2016</td></tr></tbody></table>	Name	Execution Date	DAVID E. DURHAM	09/13/2016	SIDDHARTHA CHHABRA	09/13/2016	SERGEJ DEUTSCH	09/13/2016	MICHAEL E. KOUNAVIS	09/13/2016	ALPA T. NARENDRA TRIVEDI	09/16/2016	
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PATENT**REEL: 045967 FRAME: 0306**

CORRESPONDENCE DATA**Fax Number:** (503)796-2900**Phone:** (503) 222-9981**Email:** elawless@schwabe.com*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.***Correspondent Name:** SCHWABE, WILLIAMSON & WYATT, P.C.**Address Line 1:** 1211 SW FIFTH AVENUE, SUITE 1600**Address Line 4:** PORTLAND, OREGON 97204**ATTORNEY DOCKET NUMBER:** 116536-217752 (P107754)**NAME OF SUBMITTER:** ENOY LAWLESS**Signature:** /Enoy Lawless/**Date:** 10/19/2016**Total Attachments: 2**

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RECEIPT INFORMATION**EPAS ID:** PAT4104813**Receipt Date:** 10/19/2016[Return to home page](#)[| HOME](#) | [INDEX](#) | [SEARCH](#) | [eBUSINESS](#) | [CONTACT US](#) | [PRIVACY STATEMENT](#)

ASSIGNMENT

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

**DAVID M. DURHAM
SIDDHARTHA CHHABRA
SERGEJ DEUTSCH
MICHAEL E. KOUNAVIS
ALPA T. NARENDRA TRIVEDI**

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:

MULTI-CRYPTO-COLOR-GROUP VM/ENCLAVE MEMORY INTEGRITY METHOD AND APPARATUS

(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 October 1, 2106 as

United States Application Number 15/283,339 and
COUNTRY or International Office

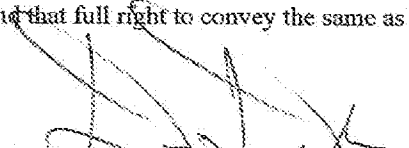
which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

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.



 DAVID M. DURHAM

4/9/2018

 Date signed



 SIDDHARTHA CHHABRA

04/06/2018

 Date signed



 SERGEI DEUTSCH

4/6/2018

 Date signed



 MICHAEL E. KOUNAVIS

4/16/2018

 Date signed



 ALPA T. NARENDRA TRIVEDI

4/11/2018

 Date signed

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MICHAEL E. KOUNAVIS
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MULTI-CRYPTO-COLOR-GROUP VM/ENCLAVE MEMORY INTEGRITY METHOD AND APPARATUS

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which was filed on October 1, 2016 as
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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

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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.



DAVID E. DURHAM

09/13/2016

Date signed



SIDDHARTHA CHHABRA

09/13/2016

Date signed



SERGEJ DEUTSCH

9/13/2016

Date signed



MICHAEL E. KOUNAVIS

9/13/2016

Date signed



ALPA T. NARENDRA TRIVEDI

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