505265554 01/07/2019 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PARTY	DATA				
			Name	Execution Date	
NED SMITH				12/12/2018	
ABDUL M. BAILEY				12/13/2018	
SUNDAR NADATHUR				12/18/2018	
RAJESH POORNACHANDRAN				12/20/2018	
RECEIVING PARTY D	ΑΤΑ				
Name: INTEL COR			PORATION		
Street Address:	2200 N	2200 MISSION COLLEGE BOULEVARD			
City:	SANT	SANTA CLARA			
State/Country:	CALIF	CALIFORNIA			
Postal Code:	94054				
Application Number: 1623		1172			
Property Type		Number			
<u></u>					
CORRESPONDENCE	DATA				
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using a fax number, if provided; if the Phone: 48062			268117	il via US Maii.	
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ATTORNEY DOCKET I			TTSDALE, ARIZONA 85254		
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ATTORNEY DOCKET I	_		AA4583-US		
ATTORNEY DOCKET I NAME OF SUBMITTEF	_		AA4583-US STORMY SCOTT		
ATTORNEY DOCKET I NAME OF SUBMITTEF SIGNATURE:	_		AA4583-US STORMY SCOTT /Stormy Scott/		
ATTORNEY DOCKET I NAME OF SUBMITTEF SIGNATURE: DATE SIGNED:	l:		AA4583-US STORMY SCOTT /Stormy Scott/ 01/07/2019		
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ASSIGNMENT

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

Ned Smith, Abdul M. Bailey, Sundar Nadathur, and Rajesh Poornachandran

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:

METHODS AND APPARATUS FOR OFFLOADING SIGNATURE REVOCATION CHECKING ON ACCELERATION CIRCUITRY

(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

Application Number

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, reissne, 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

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PATENT REEL: 047920 FRAME: 0890

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.

<u>/2-/2-/8</u> Date

Date

Abdul M. Bailey

Date

Sundar Nadathur

Date

Rajesh Poornachandran

Page 2 of 2

PATENT REEL: 047920 FRAME: 0891

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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Date

Ned Smith

Date

<u>ALPIG____</u>

Abdul M. Bailey

Date

Sundar Nadathur

Date

Rajesh Poornachandran

Page 2 of 2

PATENT REEL: 047920 FRAME: 0892

Attorney Docket No.: AA4583-US

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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Date	Ned Smith
Date	Abdul M. Bailey
DEC 18,2018	A. Gurdy.
Date	Sundar Nadathur
Date	Rajesh Poornachandran

Page 2 of 2 PATENT REEL: 047920 FRAME: 0893 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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Date	Ned Smith
Date	Abdul M. Bailey
Date	Sundar Nadathur
12/20/18	Japed.

Date

Rajesh Poornachandran

Page 2 of 2

PATENT REEL: 047920 FRAME: 0894

RECORDED: 01/07/2019