

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4894933

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JEREMY ECTON	03/21/2018
HIROKI TANAKA	03/21/2018
KRISTOF KUWAWI DARMAWIKARTA	03/21/2018
OSCAR OJEDA	03/21/2018
ARNAB ROY	03/21/2018
NICHOLAS HAEHN	03/21/2018
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:	15942864
CORRESPONDENCE DATA	
Fax Number:	(972)226-4837
<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:	617-268-6487
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Address Line 1:	2816 LAGO VISTA LANE
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ATTORNEY DOCKET NUMBER:	AA5194-US
NAME OF SUBMITTER:	LISE ANN RUGGERI-KALIL
SIGNATURE:	/Lise Ann Ruggeri-Kalil/
DATE SIGNED:	04/02/2018

Total Attachments: 8

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ASSIGNMENT

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

**Arnab Roy
Hiroki Tanaka
Kristof Kuwawi Darmawikarta
Oscar Ojeda
Nicholas Haehn
Jeremy Ecton**

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:

IMPROVED ALIGNMENT VIA-TRACE STRUCTURES

(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 April 2, 2018 as
US Application Number 15/942,864 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 provisional, 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

Attorney Docket No.: A45194-125

all rights of title, assignment, power of attorney, and other papers, communicate to said Assignor, 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 Assignor, 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 Assignor, its successors, assigns, and legal representatives; and

consent with said Assignor, 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 execute the same as herein expressed is possessed by the undersigned.

Annale Roy

(Today's Date)

Hiroki Tanaka

(Today's Date)

Kristof Kunawati Darmawikarta

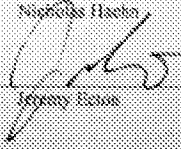
(Today's Date)


Ojeda

3/21/18
(Today's Date)

Nicholas Haehn

(Today's Date)


Jeremy Hinton

3/21/18
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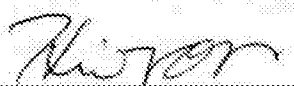
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all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history 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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03/21/18

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Nicholas Haehn

3-21-17

(Today's Date)

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