

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT6659201

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RAMNARAYANAN MUTHUKARUPPAN	08/31/2018
ANOOP KUMAR UPADHYAY	02/12/2018
GAURAV GOEL	08/31/2018
AMIT KUMAR SRIVASTAVA	09/03/2018
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:	16062093
CORRESPONDENCE DATA	
Fax Number:	(480)499-5758
<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:	4809128698
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Correspondent Name:	ALLIANCE IP, LLC
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Address Line 4:	PHOENIX, ARIZONA 85012
ATTORNEY DOCKET NUMBER:	P88598PCT-US
NAME OF SUBMITTER:	KIM DEVEAU
SIGNATURE:	/Kim DeVeau/
DATE SIGNED:	04/15/2021
Total Attachments: 6	
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ASSIGNMENT

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

Ramnarayanan Muthukaruppan, Anoop Kumar Upadhyay, Gaurav Goel,
Amit Kumar Srivastava

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:

CONTROLLER TO TRANSMIT DATA FOR COMPONENTS OF A PHYSICAL LAYER DEVICE

(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 June 13, 2018 as

US Application Number 16/062,093 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 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

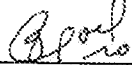
covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.



Ramnarayanan Muthukaruppan

31/AUG/2018

Date

Anoop Kumar Upadhyay


Gaurav Goel

Date
31/AUG/2018

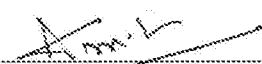
Date

Amit Kumar Srivastava

Date

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.

_____ Ramnarayanan Muthukaruppan	_____ Date
_____ Anoop Kumar Upadhyay	_____ Date
_____ Gaurav Goel	_____ Date
_____  Amit Kumar Srivastava	_____ 09/03/2018 Date

EMPLOYMENT AGREEMENT

in exchange for being employed by Intel Corporation or any of its subsidiaries, affiliates or successors (collectively called "Intel") in this Agreement, I agree to the following:

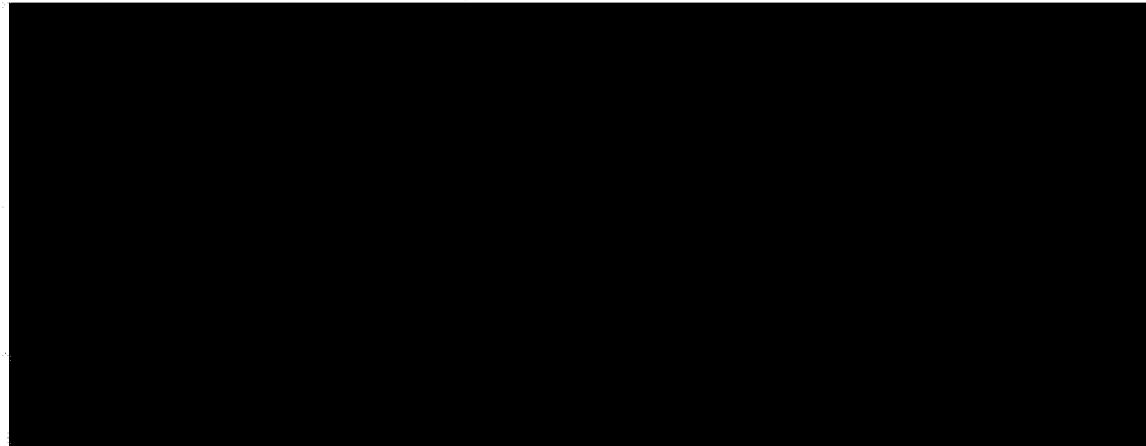
1. General Conduct.

I will perform my assigned Intel duties and comply with all Intel policies, procedures, guidelines, rules, and instructions, including Intel's Code of Conduct, Employment Guidelines and Corporate Information Security and Security policies.

2. Prior Third Party Information.

I will not bring to Intel, disclose to anyone at or outside of Intel as part of my Intel work, or use as part of my Intel work, any proprietary or confidential information of any former employer or third party without their written authorization.

3. Confidential Information and Intel Property.



4. Ownership of Proprietary Developments.

Except as provided in the next sentence, I agree that all trade secrets, copyrights, mask works, trademarks, inventions (including service inventions), discoveries, designs, formulae, processes, methods, manufacturing techniques, improvements, ideas, copyrightable works, and other intellectual property which I create, invent or discover alone or with others during my Intel employment, (collectively "Proprietary Developments") are Intel's sole property from the moment of their creation, invention or discovery. This shall not apply to an invention that I develop entirely on my own time without using Intel equipment, supplies, facilities, or trade secret information, except for those inventions that either: (1) relate at the time of conception or reduction to practice of the invention to Intel business, or actual or demonstrably anticipated research or development of Intel; or (2) result from any work performed by me for Intel. I agree that Intel has and shall always have sole legal and equitable title to all Proprietary Developments. Further, I have no right to compensation for such Proprietary Developments unless otherwise provided for by applicable law. I agree to promptly disclose Proprietary Developments to Intel, and to the full extent allowed by law, but only to the extent not already owned by Intel pursuant to this Agreement and applicable law, hereby assign to Intel all rights in the Proprietary Developments. I agree that during and after my employment with Intel I will provide all assistance that Intel reasonably requests to secure or enforce its rights throughout the world with respect to Proprietary Developments, including signing all necessary documents to secure or memorialize those rights. If I fail or refuse to sign documents necessary to secure or enforce Intel's rights, or if Intel cannot locate me through the exercise of reasonable diligence, I irrevocably appoint Intel or its designee as my attorney to sign such documents in my name. I waive any rights that I may have in any Proprietary Developments and, to the extent that such waiver is ineffective under applicable law until a Proprietary Development is created, invented or discovered, I agree to waive such rights immediately upon the creation, invention or discovery of such Proprietary Development.

5. Licensed and Non-Licensed Preexisting Employee Intellectual Property.



[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

6. Non-solicitation and Misappropriation of Intel Trade Secrets.

[REDACTED]

7. Computer Communications Are Not Private.

[REDACTED]

8. At-will Employment (U.S. only)

[REDACTED]

9. Miscellaneous.

I understand that if Intel Corporation is not my employer, Intel Corporation is signing this Agreement as agent for the Intel Corporation subsidiary, affiliate or successor that is my employer. The Agreement's terms and conditions are severable. If any part of this Agreement is found or held to be unenforceable in any jurisdiction in which this

Agreement is being performed, such provision shall be enforced to the greatest extent permitted by law, and the remainder of this Agreement and such provision as applied to other persons, places or circumstances shall remain in full force and effect. This Agreement: (a) survives my employment with Intel; (b) inures to the benefit of successors and assigns of Intel; and (c) is binding upon my heirs, assigns, and legal representatives. I am not a party to any other agreement which will interfere with my full compliance with this Agreement, except as I have specifically identified in this Agreement. For U.S. employees, only a written agreement, signed by the Vice-President, General Manager of Human Resources can change the "at will" nature of your employment. The remainder of this Agreement may not be modified or amended except in writing, signed by the parties. Only the Vice President, General Manager of Human Resources for Intel Corporation, or the General Counsel of Intel Corporation, or their delegate, has the authority to sign an Agreement modifying the remainder of this Agreement on behalf of Intel. This Agreement is effective the first day of my employment with Intel, and supersedes any prior employee agreement signed by me with Intel, relating to this subject matter. I have carefully read all of the provisions of this Agreement and I understand and will fully and faithfully comply with all provisions.

Intel Corporation

Steve Rodgers

Steve Rodgers, Signature General Counsel

Employee

[Signature]

ANBOP KUMAR UPADHYAY

Printed Name & WWID #

(please print clearly)

12/02/2018

Signature Date

Intel updated Rev. 1/2015

PATENT

RECORDED: 04/15/2021

REEL: 055933 FRAME: 0977