

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6412837

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
PO-KAI HUANG	09/25/2019
ROBERT J. STACEY	02/27/2020
DANIEL F. BRAVO	04/10/2020
LAURENT CARIOU	10/02/2019
ARIK KLEIN	09/26/2019
DANNY BEN-ARI	03/01/2020
OFER SCHREIBER	04/10/2019
SHAHRNAZ AZIZI	10/10/2019
THOMAS J. KENNEY	07/24/2019
ALEXANDER W. MIN	09/25/2019
AVI MANSOUR	09/26/2019
DAVE A. CAVALCANTI	09/25/2019
JING ZHU	09/25/2019
ZIV AVITAL	09/29/2019
XIAOGANG CHEN	10/01/2019
JUAN FANG	10/14/2019

**RECEIVING PARTY DATA**

<b>Name:</b>	INTEL CORPORATION
<b>Street Address:</b>	2200 MISSION COLLEGE BLVD.
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95054

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	16537028

**CORRESPONDENCE DATA****Fax Number:**

*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.*

**PATENT**

**Phone:** 612-373-6900  
**Email:** request@slwip.com  
**Correspondent Name:** SCHWEGMAN, LUNDBERG & WOESSNER/INTEL  
**Address Line 1:** PO BOX 2938  
**Address Line 4:** MINNEAPOLIS, MINNESOTA 55402

<b>ATTORNEY DOCKET NUMBER:</b>	1884.876US1
<b>NAME OF SUBMITTER:</b>	NANCY CUNDALL
<b>SIGNATURE:</b>	/Nancy Cundall/
<b>DATE SIGNED:</b>	11/20/2020

**Total Attachments: 46**

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RECORDATION FORM COVER SHEET  
PATENTS ONLY

Atty Ref/Docket No.: (AC3966-US) 1884.876US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Po-Kai Huang, Robert J. Stacey, Daniel F. Bravo,  
Laurent Cariou, Arik Klein, Danny Ben-Ari, Ofer  
Schreiber, Shahnaz Azizi, Thomas J. Kenney,  
Alexander W. Min, Avi Mansour, Dave A. Cavalcanti,  
Jing Zhu, Ziv Avital, Xiaogang Chen, Juan Fang

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: Intel Corporation

Street Address: 2200 Mission College Blvd.

City: Santa Clara State: CA Zip: 95054

Country: United States of America

Additional name(s) & address(es) attached? ☐ Yes

☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger

☐ Security Agreement ☐ Change of Name

☐ Other

Execution Date: September 25, 2019, February 27, 2020,  
April 10, 2020, October 2, 2019, September 26, 2019,  
March 1, 2020, April 10, 2019, October 10, 2019, July  
24, 2019, September 25, 2019, September 26, 2019,  
September 25, 2019, September 25, 2019, September 29,  
2019, October 1, 2019, October 14, 2019

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 16/537,028

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence  
concerning document should be mailed:

Name: Gregory J. Gorrie

Address:

Schwegman Lundberg & Woessner, P.A.  
P.O. Box 2938  
Minneapolis, Minnesota 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 0.00

☐ Enclosed

☐ Authorized to be charged to deposit account  
190743

8. Please charge any additional fees or credit any over  
payments to our Deposit Account No.: 190743

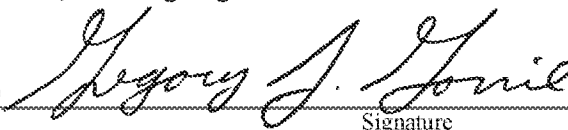
DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy  
of the original document.

Gregory J. Gorrie/Reg. No. 36,536

Name of Person Signing



Signature

November 19, 2020

Date

Total number of pages including cover sheet: 46

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Mail Stop Assignment Recordation Services  
P.O. Box 1450  
Alexandria, VA 22313-1450

PATENT  
REEL: 054485 FRAME: 0914

## **ASSIGNMENT**

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

**<Po-Kai Huang, Robert J. Stacey, Daniel F. Bravo, Laurent Cariou, Arik Klein, Danny Ben-Ari, Ofer Schreiber, Shahrnaz Azizi, Thomas J. Kenney, Alexander W. Min, Yaron Alpert, Avi Mansour, Dave A. Cavalcanti, Jing Zhu, Ziv Avital, Xiaogang Chen, Juan Fang>**

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:

### **BLOCK ACKNOWLEDGEMENT AND FRAGMENTATION IN MULTI-LINK COMMUNICATION BETWEEN MULTI-LINK LOGICAL ENTITIES**

(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 August 9, 2019 as

United States of America Application Number 16/537,028

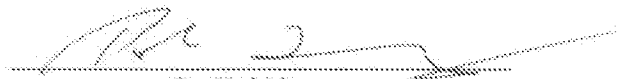
which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

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.

  
Po-Kai Huang

09/25/2019  
Date Signed

Robert J. Stacey

Date Signed

Daniel F. Bravo

Date Signed

Laurent Cariou

Date Signed

Arik Klein

Date Signed

Danny Ben-Ari

Date Signed

Ofer Schreiber

Date Signed

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Shahrmaz Azizi

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Date Signed

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Thomas J. Kenney

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Date Signed

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Alexander W. Min

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Date Signed

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Yaron Alpert

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Avi Mansour

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Jing Zhu

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Ziv Avital

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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.

\_\_\_\_\_  
Po-Kai Huang

\_\_\_\_\_  
Date Signed

*/rjstacey/*

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Robert J. Stacey

*2/27/2020*

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Date Signed

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Daniel F. Bravo

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Date Signed

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Laurent Cariou

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which was filed on August 9, 2019 as

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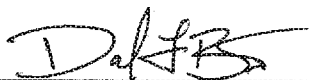
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\_\_\_\_\_  
Po-Kai Huang

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Date Signed

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Robert J. Stacey

\_\_\_\_\_  
Date Signed



\_\_\_\_\_  
Daniel F. Bravo

4-10-2020

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10/02/19  
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Laurent Cariou

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\_\_\_\_\_  
September 26th 2019

\_\_\_\_\_  
Arik Klein

\_\_\_\_\_  
Date Signed

\_\_\_\_\_  
Danny Ben-Ari

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Shahrmaz Azizi

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Thomas J. Kenney

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Alexander W. Min

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Xiaogang Chen

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Date Signed

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Juan Fang

\_\_\_\_\_  
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hereby sell, assign, and transfer to:

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(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 August 9, 2019 as

United States of America Application Number 16/537,028

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Danny Ben-Ari

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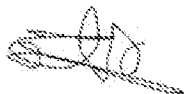
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Danny Ben-Ari

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Date Signed



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Ofer Schreiber

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Date Signed



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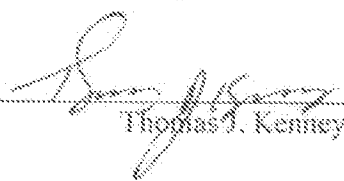
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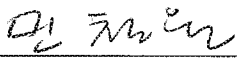
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Date Signed

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Robert J. Stacey

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Date Signed

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Daniel F. Bravo

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Date Signed

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Laurent Cariou

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Arik Klein

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Danny Ben-Ari

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Ofer Schreiber

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Shahmaz Azizi

Date Signed

Thomas J. Kenney

Date Signed

Alexander W. Min

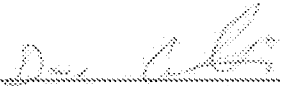
Date Signed

Yaron Alpert

Date Signed

Avi Mansour

Date Signed



Dave A. Cavalcanti

9/25/19

Date Signed

Jing Zhu

Date Signed

Ziv Avital

Date Signed

Xiaogang Chen

Date Signed

Juan Fang

Date Signed



## **ASSIGNMENT**

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

**<Po-Kai Huang, Robert J. Stacey, Daniel F. Bravo, Laurent Cariou, Arik Klein, Danny Ben-Ari, Ofer Schreiber, Shahrnaz Azizi, Thomas J. Kenney, Alexander W. Min, Yaron Alpert, Avi Mansour, Dave A. Cavalcanti, Jing Zhu, Ziv Avital, Xiaogang Chen, Juan Fang>**

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:

### **BLOCK ACKNOWLEDGEMENT AND FRAGMENTATION IN MULTI-LINK COMMUNICATION BETWEEN MULTI-LINK LOGICAL ENTITIES**

(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 August 9, 2019 as

United States of America Application Number 16/537,028

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.

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Po-Kai Huang

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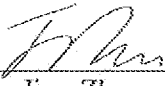
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United States of America Application Number 16/537,028

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