

<b>PATENT ASSIGNMENT COVER SHEET</b>
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FENG JIANG	08/08/2019
LAURENT CARIOU	08/08/2019
PO-KAI HUANG	08/08/2019
QINGHUA LI	08/08/2019
ROBERT STACEY	10/02/2019
XIAOGANG CHEN	08/09/2019
YARON ALPERT	06/26/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	INTEL CORPORATION
<b>Street Address:</b>	2200 MISSION COLLEGE BOULEVARD
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95054
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16422330
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(404)853-8806
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<b>Phone:</b>	4048538000
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<b>Address Line 1:</b>	999 PEACHTREE STREET
<b>Address Line 2:</b>	SUITE 2300
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30309
<b>NAME OF SUBMITTER:</b>	MICHELLE STANISLO
<b>SIGNATURE:</b>	/MICHELLE STANISLO/
<b>DATE SIGNED:</b>	11/11/2020

**Total Attachments: 12**

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## **ASSIGNMENT**

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

**FENG JIANG; LAURENT CARIOU; PO-KAI HUANG; QINGHUA LI; ROBERT STACEY;  
XIAOGANG CHEN; YARON ALPERT**

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:

### **ENHANCED SIGNALING AND USE OF MULTIPLE TRANSMISSION CHAINS**

**(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 May 24, 2019 as

US Application Number 16/422,330 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.

Feng Jiang  
Feng Jiang

08/08/2019  
Date signed

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Laurent Cariou

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Po-Kai Huang

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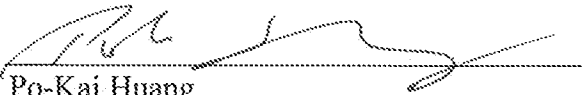
maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and covenant with said Assignee, 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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Feng Jiang

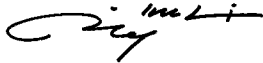
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Yaron Alpert

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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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Robert Stacey

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Xiaogang Chen

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Laurent Cariou

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Po-Kai Huang


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Robert Stacey

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Xiaogang Chen

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Yaron Alpert

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Date signed

# 1. התחייבות

אני, אסף גולן, החתום מטה, מסכים ומתחייב בזאת להלן:

## 1. הגדרות

"מידע" או "מידע סודי" – כל מידע (טכני מסחרי או אחר) הקשור לאינטל ואשר אינו בידיעת הציבור. ה"מידע" או ה"מידע הסודי" יכלול, בין היתר, מידע שהופק על ידי גישה ישירה למחשב (לרבות PC), מידע שהועבר במערכות התקשורת של אינטל, מידע שאוחסן במערכות תקשורת אלקטרוניות נידות (דיסקים), מידע שנכלל בדוחות או במסמכי חברה אחרים, או בהעתיקים שלהם ומידע המובא או מועבר בעל-פה וכל מידע שנחשפתי אליו במהלך ועקב עבודתי באינטל.

2. במהלך כל תקופת עבודתי באינטל, אבצע את המשימות שיטלו עלי על ידי אינטל מעת לעת, אקיים את ההנחיות והנהלים של אינטל, אקדיש את מיטב מאמצי לקידום האינטרסים של אינטל, ולא אעסוק, ללא אישורה המוקדם של אינטל בכתב:

א. בכל עבודה כלשהי, בשכר או שלא בשכר, מלבד עבודת התנדבות במוסדות ללא מטרת רווח.

ב. בכל פעילות אחרת העלולה לפגוע באינטרסים של אינטל או בעבודתי באינטל.

3. לא אעשה מעשה כלשהו שיש בו כדי לפגוע באינטרסים של אינטל, בשמה הטוב או ביחסים בינה לבין מי מעובדיה, לקוחותיה או ספקיה.

4. א. אגלה בהקדם האפשרי ואעביר לאינטל את כל זכויות הקניין הרוחני שלי, בין הניתנות לרישום ובין שאינן ניתנות לרישום, בכל התוכניות, התרשימים, סודות מסחריים, פטנטים, בקשות לפטנטים, זכויות יוצרים, תגליות, אלגוריתמים, תהליכים, שיטות ייצור, המצאות, שיפורים ורעיונות או עבודות אחרות הניתנות להגנה כזכויות יוצרים (כל אלה להלן, במצטבר – "הקניין הרוחני"). הקשורים לעבודתי באינטל או המתבצעים בעזרת שימוש בציד, חומרים, מתקנים, או מידע סודי של אינטל.

ב. ההתחייבות שלעיל לא תחול עלי:

(1) הקניין הרוחני שהמצאתי לפני תחילת עבודתי באינטל.

(2) הקניין הרוחני שפיתחתי אך ורק בזמני החופשי, בלי כל קשר לעבודתי באינטל וללא שימוש כלשהו בציד, חומרים או מידע סודי של אינטל ובלבד שהמצאות כאלה אינן מתייחסות:

1. לתחומי עיסוקה של אינטל ו\ או

2. למחקר או לפיתוח שנערך בפועל או שתוכנן להיערך על ידי אינטל.

ג. ידוע לי כי בגין המצאות אשר אינטל תרשום פטנטים, אקבל מענק כאמור בנהלי אינטל, כפי שהיו בתוקף מעת לעת וכי מעבר לכך לא אהיה זכאי לכל תמורה נוספת לזו המשולמת לי בגין עבודתי הרגילה.

באשר להמצאות אשר אינטל תחליט שלא לבצע רישום פטנט משיקוליה, אני מוותר על זכותי לקבל תמורה או לבצע רישום עצמאי של בקשה לפטנט.

5. אגיש לאינטל, על חשבונה של אינטל, כל סיוע שיידרש (לרבות חתימה על מסמכים ובקשות) לשם הגשתן ואכיפתן של זכויותיה של אינטל ברחבי העולם.

6. א. אשמור בסוד את המידע הסודי, לא אגלה אותו, לא אעשה ממנו עותקים ולא אשתמש בו בכל דרך, ללא אישורה המוקדם ובכתב של אינטל.

ב. בסיום תקופת עבודתי באינטל או לפי בקשת אינטל, לפי המוקדם, אחזיר לאינטל כל צורה מוחשית של המידע הסודי, לרבות שרטוטים, מידע ממוחשב, תוכניות, מפרטים, מתקנים, דגמים וכו'.

7. אעשה כל שביכולתי כדי למנוע כל שימוש לא מורשה במידע הסודי ואמנע כל מעשה שעלול לאפשר שימוש כזה.

8. במסגרת עבודתי באינטל, לא אשתמש בכל מידע קנייני או סודי של מעביד קודם ללא אישור בכתב של אותו מעביד.

9. אני מבין ומודע לכך שכל הפרה, במכוון, ברשלנות או בכל דרך אחרת, של איזו מההתחייבויותיי – על פי מסמך זה, תהווה הפרת משמעת חמורה העלולה לגרום לפיטורי ללא הודעה מוקדמת וללא פיצוי פיטורים, כן אני מודע לכך כי הפרת מסמך זה עלולה להוות גם עוולה אזרחית או עבירה פלילית.


10. הסכם זה, אלא אם נאמר בו במפורש אחרת:

- א. יישאר בתוקף לאחר סיום תקופת העסקתי באינטל.
- ב. אינו מגביל בכל דרך שהיא את זכותי לסיים את עבודתי באינטל, או את זכותה של אינטל להפסיק את עבודתי בכל עת ומכל סיבה שהיא.
- ג. יפעל לטובת הבאים אינטל או חליפיה.
- ד. מחייב את יורשי ונציגי החוקיים.
- ה. אינו גורע מזכויותיה של אינטל לפי כל דין.

11. למיטב ידיעתי ואמונתי, אינני צד להסכם אחר אשר ימנע ממני לקיים את הוראות הסכם זה במלואו.

12. הנני מאשר בזאת, כי בטרם חתימתי על מסמך זה ניתנה לי האפשרות לעיין בווהלי אינטל המפורסמים בדף הבית של מחלקת משאבי אנוש (ב-Internet), ואני מסכים ומקבל את כל האמור בהם.

13. הנני מאשר ומצהיר כי קראתי את כל הוראות הסכם זה וכי הבנתי אותן, ואמלא אחריהן במלואן, בנאמנות.

שם העובד: אריאל גולדברג  
מס' עובד: 11350748  
חתימה:   
תאריך: 26/1/10

## 1. Commitment Contract

I, \_\_\_\_\_, the undersigned, hereby agree and undertake as follows:

### 1. Definitions

"Information" or "Confidential Information" – any information (commercial or other) connected to Intel that is not in public domain. The "Information" or "Confidential Information" shall include, *inter alia*, information derived from direct computer access (including PC), information transferred via Intel's communication systems, information stored on mobile electronic communication systems (disks), information contained in reports or other corporate documents or copies thereof, any information provided or transferred verbally and any information I was exposed to during and as a result of my work at Intel.

2. During the entire period of my employment at Intel, I shall perform the tasks entrusted to me by Intel from time to time, adhere to Intel's instructions and guidelines, devote my best efforts to promote Intel's interests and refrain from engaging in any of the following, without Intel's prior written consent:

- a) Any salaried or unsalaried employment, except for volunteer work in non-profit organizations;
- b) Any other activity liable to be detrimental to Intel's interests or to my employment at Intel.

3. I shall not take any action liable to jeopardize Intel's interests, its reputation or the relations between Intel and any of its employees, customers or suppliers.

4. Excluding the contents of the following sentence, I agree that all the trade secrets, copyrights, mask works, trademarks, inventions including service inventions, discoveries, designs, formulas, processes, methods, production techniques, improvements, ideas, copyright-protected creations and any other intellectual property I produce, invent or discover – independently or with others – during my employment at Intel (hereinafter "Proprietary Developments") are the sole property of Intel from the moment they are created, invented or discovered. The aforementioned shall not apply to any invention I develop completely independently, without the use of Intel's equipment, facilities or trade secrets, except for inventions which:

- a) at the time of their invention or during the reduction to practice phase, were connected to either existing or planned Intel business, research or development processes;
- b) are the result of any work I did for Intel.

I agree that Intel own and shall always own the exclusive legal ownership, title and rights over all Proprietary Developments and understand that I am not entitled to compensation for Proprietary Developments. I agree that my salary and benefits comprise appropriate consideration for service inventions and declare that I am not entitled to any additional consideration for service inventions, including according to

clause 134 of the **Israeli Patent Law**. I agree to disclose the Proprietary Developments to Intel as soon as possible, as permissible under the law, and provided that the Proprietary Developments are not already owned by Intel according to this agreement and according to the applicable law, I hereby transfer all rights to the Proprietary Developments to Intel. I agree that during and following my period of employment at Intel, I shall provide all reasonable assistance requested by Intel in order to ensure or enforce Intel's rights worldwide with regard to the Proprietary Developments, *inter alia* by signing all the documents required to ensure or preserve these rights. Should I fail or refuse to sign the documents required to ensure or preserve Intel's rights, or if Intel is unable to locate me following reasonable efforts, I hereby irrevocably appoint Intel or its representatives as my proxies to sign these documents on my behalf. I waive all my rights to and in the Proprietary Developments, and if such waiver prior to the creation, development or disclosure of the Proprietary Developments is deemed to be invalid or inapplicable by law, I agree to waive all of these rights immediately upon the creation, development or disclosure of the proprietary rights.

5. I shall provide Intel – at Intel's expense – with all required assistance (including signing documents and applications) in order to submit and enforce Intel's rights worldwide.
6. a) I shall keep the Information and/or Confidential Information a secret and shall not disclose it, make copies of it or use it in any way without Intel's prior written consent.  
b) Upon termination of my period of employment at Intel or at Intel's request – whichever is sooner – I shall return to Intel any concrete form of the Confidential Information, including drawings, computerized information, programs, specifications, facilities, models, etc.
7. I shall do everything in my power to prevent any unauthorized use of the Confidential Information or any action which facilitates such use.
8. Within the context of my employment at Intel, I shall refrain from using any proprietary or confidential information of a previous employer without his written consent.
9. I understand and am aware of the fact that any violation – be it willful, negligent or in any other manner of any of my undertakings according to this document, shall constitute a severe disciplinary violation that may cause my dismissal without prior notice and without severance pay. Moreover, I am aware of the fact that violating this document may also constitute a civil or a criminal offense.
10. This agreement, unless expressly stated otherwise:
  - a) Shall remain in effect following the termination of my period of employment at Intel.

- b) Shall not in any way limit my right to terminate my employment at Intel or Intel's right to terminate my employment at any time and for any reason.
- c) Shall act in the benefit of Intel or any other company replacing it.
- d) Shall bind my legal heirs and representatives.
- e) Shall not detract from Intel's rights according to any law.

11. To the best of my knowledge and belief, I am not a party to any other agreement preventing me from carrying the instructions of this agreement in full.

12. I hereby confirm that, prior to signing this document, I was given the opportunity to review Intel's guidelines published on the Human Resources Department's homepage (on the Internet) and I consent to and accept their content.

13. I hereby confirm and declare that I have read and understood all the instructions of this agreement and that I shall faithfully carry them out in full.

Employee's name: \_\_\_\_\_

Employee's number: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_