

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT5804068

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MANISH CHANDHOK	10/09/2019
LEONARD GULER	10/10/2019
PAUL NYHUS	10/09/2019
GOBIND BISHT	10/09/2019
JONATHAN LAIB	10/31/2019
DAVID SHYKIND	10/15/2019
GURPREET SINGH	10/18/2019
EUNGNAC HAN	10/09/2019
NORIYUKI SATO	11/01/2019
CHARLES WALLACE	10/09/2019
JINNIE ALOYSIUS	10/09/2019

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:	16562346

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.

Phone: 503-968-8233**Email:** tfuller@ghmip.com**Correspondent Name:** GREEN, HOWARD, & MUGHAL, LLP**Address Line 1:** 5 CENTERPOINTE DR. SUITE 400**Address Line 4:** LAKE OSWEGO, OREGON 97035

ATTORNEY DOCKET NUMBER:	01.AA9546-US
NAME OF SUBMITTER:	TERRI FULLER
SIGNATURE:	/Terri Fuller/
DATE SIGNED:	11/05/2019
Total Attachments: 3 source=AA9546-US Signed Assignment#page1.tif source=AA9546-US Signed Assignment#page2.tif source=AA9546-US Signed Assignment#page3.tif	

ASSIGNMENT

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

**Manish Chandhok, Leonard Guler, Paul Nyhus, Gobind Bisht, Jonathan Laib,
David Shykind, Gurpreet Singh, Eungnak Han, Noriyuki Sato, Charles Wallace;
Jinnie Aloyius**

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Blvd. Santa Clara, CA. 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:

**SELF ALIGNED GRATINGS FOR TIGHT PITCH INTERCONNECTS AND
METHODS OF FABRICATION**

(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 _____ September 5, 2019 _____ as


United States Application Number _____ 16/562,346 _____ and

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

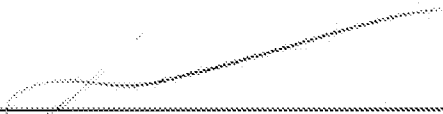
covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is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



Manish Chandhok

10/9/2019

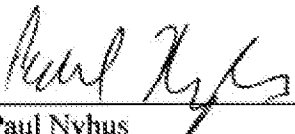
Date signed



Leonard Guler

10/10/2019

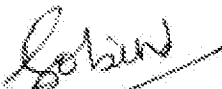
Date signed



Paul Nyhus

10/9/2019

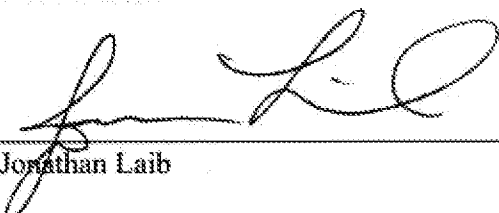
Date signed



Gobind Bisht

10/9/2019

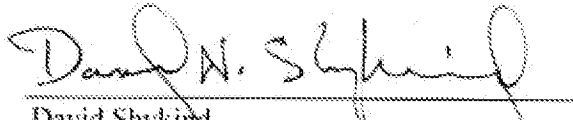
Date signed



Jonathan Laib

10/31/2019

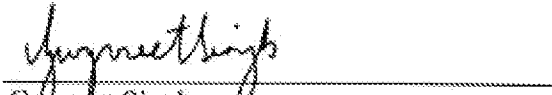
Date signed



David Shykind

10/15/19

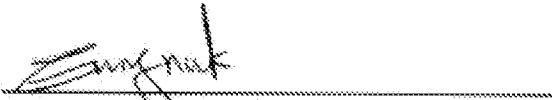
Date signed



Gurpreet Singh

10/18/19

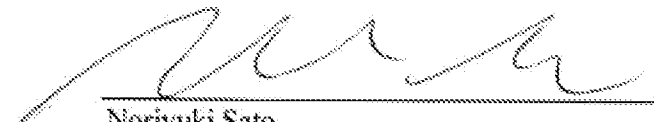
Date signed



Eungnak Han

10/9/2019

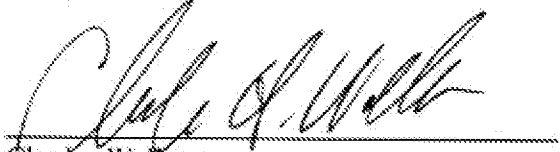
Date signed



Noriyuki Sato

11/1/2019


Date signed



Charles Wallace

10/9/2019

Date signed



Jinnie Aloysius

10/9/2019

Date signed