11/15/2019 505776919

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JONATHAN W. THIBADO	01/14/2019
JEFFORY L. SMALLEY	01/15/2019
JOHN C. GULICK	01/18/2019
PHI THANH	01/14/2019

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:	16249499

CORRESPONDENCE DATA

Fax Number: (503)796-2900

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) 222-9981

Email: svillarreal@schwabe.com

Correspondent Name: JUSTIN K. BRASK

Address Line 1: 1211 SW 5TH AVENUE, STE. 1600

Address Line 4: PORTLAND, OREGON 97204

ATTORNEY DOCKET NUMBER:	AB2818-US 111079-243933
NAME OF SUBMITTER:	JUSTIN K. BRASK
SIGNATURE:	/Justin K. Brask/
DATE SIGNED:	11/15/2019

Total Attachments: 4

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> **PATENT REEL: 051024 FRAME: 0388** 505776919

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PATENT REEL: 051024 FRAME: 0389 Attorney's Docket No.: AB2818-US 111079-243933

said patent application also identified as follows (when known):

ASSIGNMENT

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

Jonathan W. THIBADO, Jeffory L. SMALLEY, John C. GULICK, Phi THANH

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 a"nd all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled

REFLOWABLE GRID ARRAY TO SUPPORT GRID HEATING

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

US or International Application Number $\frac{16/249,499}{16/249,499}$ filed $\frac{1}{2}$	2019
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and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or 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 provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or 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 or 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 or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

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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.

ach Inventor: Please Sign and Date Below:	
1/14/2019_	Joshan W. Milodo
1/15/2019	Name: Jonathan W. THIBADO
Date 1/15/2019	Name Verify L. SMALLISY
Date	Name John C. GULICK
Date	Name: Phi THANH
Date	Name:
Date	Name:
Date	Name:
Date .	Name:
Date	Name:

Assignment Document Return Address: Schwabe, Williamson & Wyatt P.C. 1211 SW 5th Avenue, Suite 1900 Portland, OR 97204

Telephone: (503) 222-9981

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Attorney's Docket No.: AB2818-US 111079-243933

ASSIGNMENT

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

Jonathan W. THIBADO, Jeffory L. SMALLEY, John C. GULICK, Phi THANH

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 ("Assignce") and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States a"nd all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (previsional or non-provisional) for the United States patent which may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled

REFLOWABLE GRID ARRAY TO SUPPORT GRID HEATING

said patent application also identified as follows (when known):

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application when known.]

US or International Application Number	16/249,499	filed January 16, 2019
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and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions or 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 provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, recessminations, extensions, and all other patent applications on any and all said inventions or 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 or 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 or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives: and

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Page 1 of 2

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.

Each Inventor: Please Sign and Date Below:

te	Name: Jonathan W. THIBADO
nie	Name: Jeffory L. SMALLEY
1/14/19	Name: John C. GULICK
ate	Name: PRETHANH
ate	Name:
etc	Name:
este	Name:
ate	Name:
ate	Name:
ate	Name:
)atc	Name:
Date	Name:
	Assignment Document Return Address Schwabe, Williamson & Wyatt P.C. 1211 SW 5th Avenue, Suite 1900 Portland, OR 97204

Telephone: (503) 222-9981

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RECORDED: 11/15/2019

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