### 508253254 11/29/2023

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8300446

| SUBMISSION TYPE: | ORRECTIVE ASSIGNMENT   |
|------------------|--|
| IN'              | orrective Assignment to correct the NAME OF THE SECOND NVENTOR previously recorded on Reel 054742 Frame 0463. Assignor(s) ereby confirms the ASSIGNMENT. |

### **CONVEYING PARTY DATA**

| Name                | Execution Date |
|---------------------|----------------|
| GURURAJ K. SHAMANNA | 09/13/2020     |
| NAVEEN KUMAR M      | 09/15/2020     |
| HARISHANKAR SAHU    | 09/14/2020     |
| ABHISHEK CHOUKSEY   | 09/12/2020     |
| MADHUSUDAN RAO      | 09/18/2020     |

### **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: | 17132904 |

### **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:** 4086750441

Email: harleen@ndwe.com

Correspondent Name: NICHOLSON DE VOS WEBSTER & ELLIOTT LLP

**Address Line 1:** 99 ALMADEN BOULEVARD, SUITE 575

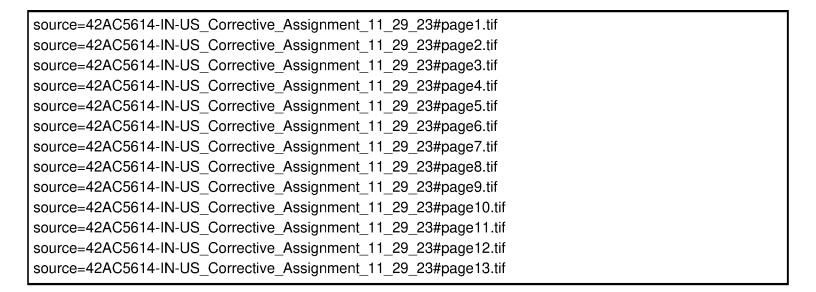
Address Line 4: SAN JOSE, CALIFORNIA 95113

| ATTORNEY DOCKET NUMBER: | 42AC5614-IN-US                       |
|-------------------------|--------------------------------------|
| NAME OF SUBMITTER:      | ERIK R. NORDSTROM                    |
| SIGNATURE:              | /Erik R. Nordstrom; Reg. No. 39,792/ |
| DATE SIGNED:            | 11/29/2023                           |
|                         |                                      |

**Total Attachments: 13** 

PATENT REEL: 065710 FRAME: 0786

508253254



## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

Version v1.1 EPAS ID: PAT6467448

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

### **CONVEYING PARTY DATA**

| Name                | Execution Date |
|---------------------|----------------|
| GURURAJ K. SHAMANNA | 09/13/2020     |
| NAVEEN KUMAR M      | 09/15/2020     |
| HARISHANKAR SAHU    | 09/14/2020     |
| ABHISHEK CHOUKSEY   | 09/12/2020     |
| MADHUSUDAN RAO      | 09/18/2020     |

### **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: | 17132904 |

### 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:** kcampbell@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.AC5614-IN-US

NAME OF SUBMITTER: KATHERINE R. CAMPBELL

SIGNATURE: /Katherine R. Campbell/

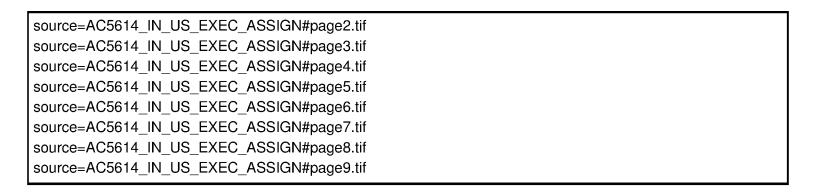
DATE SIGNED: 12/23/2020

**Total Attachments: 9** 

source=AC5614\_IN\_US\_EXEC\_ASSIGN#page1.tif

PATENT REEL: 065710 FRAME: 0788

506420691



# **ASSIGNMENT**

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

## Gururaj K. Shamanna; Naveen Kumar M; Harishankar Sahu; Abhishek Chouksey; Madhusudan Rao

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:

### A KEEPER-FREE INTEGRATED CLOCK GATE CIRCUIT

(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 _ | December 23     | , 2020             | as         |     |
|----------------------|-----------------|--------------------|------------|-----|
|                      | US              | Application Number | 17/132,904 | and |
| COUNTRY or Inter     | national 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.

| K. S. Gururay       | September 13th, 2020 |
|---------------------|----------------------|
| Gururaj K. Shamanna | Date signed          |
| Naveen Kumar M      | Date signed          |
| Harishankar Sahu    | Date signed          |
| Abhishek Chouksey   | Date signed          |
| Madhusudan Rao      | Date signed          |

# **ASSIGNMENT**

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

Gururaj K. Shamanna; Naveen Kumar M; Harishankar Sahu; Abhishek Chouksey; Madhusudan Rao

hereby sell, assign, and transfer to:

COUNTRY or International Office

### **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:

### A KEEPER-FREE INTEGRATED CLOCK GATE CIRCUIT

|                      | est any attorney having appropriate autho<br>ling date and application number of said a |                |
|----------------------|---|----------------|
| which was filed on _ | December 23, 2020   | as             |
| ·<br>                | US Application Number   | 17/132,904 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

Page 1 of 2

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.

| Gururaj K. Shamanna | Date signed |  |  |
|---------------------|-------------|--|--|
| Novem Don           | 15)09/2020  |  |  |
| Naveen Kumar M      | Date signed |  |  |
|                     |             |  |  |
| Harishankar Sahu    | Date signed |  |  |
|                     |             |  |  |
| Abhishek Chouksey   | Date signed |  |  |
|                     |             |  |  |
| Madhusudan Rao      | Date signed |  |  |

# **ASSIGNMENT**

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

Gururaj K. Shamanna; Naveen Kumar M; Harishankar Sahu; Abhishek Chouksey; Madhusudan Rao

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:

### A KEEPER-FREE INTEGRATED CLOCK GATE CIRCUIT

| (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   |                   | ber 23, 2020       |  | as         |     |
| COUNTRY or Internation   | US<br>onal Office | Application Number |  | 17/132,904 | bns |

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

Page 1 of 2

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 Assignce, 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.

| Gururaj K. Shamanna | Date signed |
|---------------------|-------------|
| Naveen Kumar M      | Date signed |
| June 1              | 14-Sab-2020 |
| Harishankar Sahu    | Date signed |
| Abhishek Chouksey   | Date signed |
| Madhusudan Rao      | Date signed |

# **ASSIGNMENT**

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

Gururaj K. Shamanna; Naveen Kumar M; Harishankar Sahu; Abhishek Chouksey; Madhusudan Rao

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:

### A KEEPER-FREE INTEGRATED CLOCK GATE CIRCUIT

(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 _ | December 23, 2020 |                    | as         |     |
|----------------------|-------------------|--------------------|------------|-----|
|                      | US                | Application Number | 17/132,904 | and |
| COUNTRY or Intern    | ational 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.

| Gururaj K. Shamanna | Date signed       |
|---------------------|-------------------|
| Naveen Kumar M      | Date signed       |
| Harishankar Sahu    | Date signed       |
|                     | 12 September 2020 |
| Abhishek Chouksey   | Date signed       |
| Madhusudan Rao      | Date signed       |

the history thereof; and generally assist said Assignce, 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.

| Gururaj K. Shamanna   | Date signed |
|-----------------------|-------------|
| <br>Naveen Kumar M    | Date signed |
| <br>Harishankar Sahu  | Date signed |
| <br>Abhishek Chouksey | Date signed |
| <br>Madhusudan Rao    | Date signed |

RECORDED: 12/29/2020