

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5800525

|   |                             |
|---|-----------------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT              |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                  |
| <b>CONVEYING PARTY DATA</b>   |                             |
| <b>Name</b>   | <b>Execution Date</b>       |
| GLEN J. ANDERSON  | 01/22/2016                  |
| JOSE K. SIA   | 09/27/2019                  |
| KATHY YUEN  | 01/23/2017                  |
| SHILPA A. SODANI  | 01/25/2016                  |
| BRADLEY A. JACKSON  | 01/22/2016                  |
| OMESH TICKOO  | 01/22/2016                  |
| NAFISA A. CHOWDHURY   | 01/28/2016                  |
| MARGARET E. MORRIS  | 11/01/2016                  |
| <b>RECEIVING PARTY DATA</b>   |                             |
| <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                       |
| <b>PROPERTY NUMBERS Total: 1</b>  |                             |
| <b>Property Type</b>  | <b>Number</b>               |
| Application Number:   | 14976524                    |
| <b>CORRESPONDENCE DATA</b>  |                             |
| <b>Fax Number:</b>  |                             |
| <i>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.</i> |                             |
| <b>Email:</b>   | STEBO@BTLAW.COM             |
| <b>Correspondent Name:</b>  | BARNES & THORNBURG LLP      |
| <b>Address Line 1:</b>  | 11 S. MERIDIAN STREET       |
| <b>Address Line 4:</b>  | INDIANAPOLIS, INDIANA 46204 |
| <b>ATTORNEY DOCKET NUMBER:</b>  | P83126/45631-240060         |
| <b>NAME OF SUBMITTER:</b>   | GLEN M. KELLETT             |
| <b>SIGNATURE:</b>   | /GLEN M. KELLETT/           |
| <b>DATE SIGNED:</b>   | 11/01/2019                  |

**Total Attachments: 9**

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## **ASSIGNMENT**

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

**GLEN J. ANDERSON; JOSE K. SIA, JR.; KATHY YUEN; SHILPA A. SODANI;  
BRADLEY A. JACKSON; OMESH TICKOO; NAFISA A. CHOWDHURY;  
MARGARET E. MORRIS**

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:

### **TECHNOLOGIES FOR COGNITIVE CUING BASED ON KNOWLEDGE AND CONTEXT**

(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 21, 2015 as  
United States Application Number 14/976,524 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.

  
Glen J. Anderson


1/22/16  
Date signed

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Jose K. Sia, Jr.

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Date signed

\_\_\_\_\_  
Kathy Yuen

\_\_\_\_\_  
Date signed

  
Shilpa A. Sodani

1/25/16  
Date signed

\_\_\_\_\_  
Bradley A. Jackson

\_\_\_\_\_  
Date signed

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

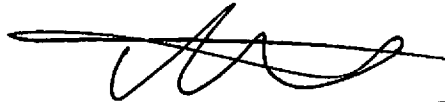
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Glen J. Anderson

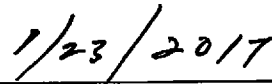
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Jose K. Sia, Jr.

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Kathy Yuen

  
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Shilpa A. Sodani

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Date signed

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Bradley A. Jackson

\_\_\_\_\_  
Date signed

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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.

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Glen J. Anderson

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Date signed

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Jose K. Sia, Jr.

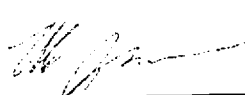
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Kathy Yuen

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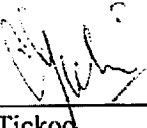
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Shilpa A. Sodani

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Bradley A. Jackson

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1/22/2016

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Date signed

  
\_\_\_\_\_  
Omesh Tickoo

1-22-2016  
\_\_\_\_\_  
Date signed

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Nafisa A. Chowdhury

\_\_\_\_\_  
Date signed


\_\_\_\_\_  
Margaret E. Morris

\_\_\_\_\_  
Date signed

Attorney Docket No.: P83126

Omesh Tickoo

Date signed

  
Nafisa A. Chowdhury

01-28-2016  
Date signed

Margaret E. Morris

Date signed

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Omesh Tickoo

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Date signed

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Nafisa A. Chowdhury

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Date signed

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*Margaret Morris*

11/1/16

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Margaret E. Morris

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Date signed

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY  
OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)**

|   |  |            |          |
|---|--|------------|----------|
| <b>Title of<br/>Invention</b>   | TECHNOLOGIES FOR COGNITIVE CUING BASED ON KNOWLEDGE AND<br>CONTEXT |            |          |
| This statement is directed to:  |  |            |          |
| <input type="checkbox"/> The attached application.  |  |            |          |
| OR  |  |            |          |
| <input checked="" type="checkbox"/> United States application or PCT international application number <u>14/976,524</u> filed on <u>2015-12-21</u>                                |  |            |          |
| <b>LEGAL NAME of inventor to whom this substitute statement applies:</b>  |  |            |          |
| (E.g., Given Name (first and middle (if any)) and Family Name or Surname)   |  |            |          |
| Jose K. Sia   |  |            |          |
| Residence (except for a deceased or legally incapacitated inventor):  |  |            |          |
| City  | Portland   | State      | OR US    |
| Country   |  |            |          |
| Mailing Address (except for a deceased or legally incapacitated inventor):  |  |            |          |
| 2814 NE Schuyler Street   |  |            |          |
| City  | Portland   | State      | OR 97212 |
| Zip   |  | Country US |          |
| I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application.                         |  |            |          |
| The above-identified application was made or authorized to be made by me.   |  |            |          |
| I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. |  |            |          |
| Relationship to the inventor to whom this substitute statement applies:   |  |            |          |
| <input type="checkbox"/> Legal Representative (for deceased or legally incapacitated inventor only).  |  |            |          |
| <input type="checkbox"/> Assignee.  |  |            |          |
| <input checked="" type="checkbox"/> Person to whom the inventor is under an obligation to assign.   |  |            |          |
| <input type="checkbox"/> Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or                                  |  |            |          |
| <input type="checkbox"/> Joint Inventor.  |  |            |          |

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing this form, call 1-800-PTO-9199 and select option 2.

**PATENT**  
**REEL: 050891 FRAME: 0301**

**SUBSTITUTE STATEMENT**

Circumstances permitting execution of this substitute statement:

- ☐ Inventor is deceased.
- ☐ Inventor is under legal incapacity.
- ☒ Inventor cannot be found or reached after diligent effort, or
- ☐ Inventor has refused to execute the oath or declaration under 37 CFR 1.63.

If there are joint inventors, please check the appropriate box below:

- ☒ An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been or is currently submitted.

OR

- ☐ An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute Statement Supplemental Sheet (PTO/AIA/11 or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1.64(b).

**WARNING:**

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

**PERSON EXECUTING THIS SUBSTITUTE STATEMENT:**Name: **Kenneth A. Nelson**Date (Optional): **9/27/19**Signature: **APPLICANT NAME AND TITLE OF PERSON EXECUTING THIS SUBSTITUTE STATEMENT:**

If the applicant is a juristic entity, list the applicant name and the title of the signer.

**Intel Corporation**

Applicant Name:

Title of Person Executing This Substitute Statement: **Assistant Director, Intel Patent Group**

The signer, whose title is supplied above, is authorized to act on behalf of the applicant.

**Residence of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent):**

City **Chandler** State **AZ** Country **US**

Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)

**2200 Mission College Blvd.**

City **Santa Clara** State **CA** Zip **95054** Country **US**

Note: Use an additional PTO/AIA/02 form for each inventor who is deceased, legally incapacitated, cannot be found or reached after diligent effort, or has refused to execute the oath or declaration under 37 CFR 1.63.