#### 505711977 10/08/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5758787

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

#### **CONVEYING PARTY DATA**

| Name                 | Execution Date |
|----------------------|----------------|
| DERRICK ALLEN AGUREN | 10/07/2019     |
| ERIC H. VAN TASSELL  | 10/04/2019     |
| GABRIEL H. LOH       | 10/03/2019     |
| JAY FLEISCHMAN       | 10/03/2019     |

#### **RECEIVING PARTY DATA**

| Name:           | Advanced Micro Devices, Inc. |
|-----------------|------------------------------|
| Street Address: | 2485 Augustine Drive         |
| City:           | Santa Clara                  |
| State/Country:  | CALIFORNIA                   |
| Postal Code:    | 95054                        |

#### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 16586183 |

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Address Line 2: SUITE 320

Address Line 4: AUSTIN, TEXAS 78731

| ATTORNEY DOCKET NUMBER: | 1458-190063       |
|-------------------------|-------------------|
| NAME OF SUBMITTER:      | DANIELLE HAYNES   |
| SIGNATURE:              | /Danielle Haynes/ |
| DATE SIGNED:            | 10/08/2019        |

## **Total Attachments: 6**

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AMD Reference No. 190063

# ASSIGNMENT OF PATENT RIGHTS

This is an assignment of patent rights between inventor(s) **Derrick Allen AGUREN**, **Eric H. VAN TASSELL**, **Gabriel H. LOH** and **Jay FLEISCHMAN** (hereinafter referred to as the "Inventor(s)") and **Advanced Micro Devices**, **Inc.**, having a place of business at 2485 Augustine Drive, Santa Clara, California, USA (hereinafter referred to as the "Assignee").

WHEREAS, Inventor(s) are named as inventors in the patent application filed in the United States Of America on September 27, 2019, entitled SYSTEM AND METHOD FOR PAGE TABLE CACHING MEMORY, having application no. 16/586,183, and having a docket number of 1458-190063 (hereinafter referred to as the "Application"); and

WHEREAS, Assignee has a desire to acquire all rights, title, and interest in the invention(s) disclosed in the Application (hereinafter referred to as the "Invention(s)"), including any rights, title, and interest in the Invention(s) not previously transferred to Assignee through prior agreement.

NOW, THEREFORE, the parties agree as follows:

- 1. To the extent that Inventor(s) are subject to a prior agreement transferring rights, title, and/or interest in the Invention(s) to the Assignee, Inventor(s) hereby confirm such transfer.
- 2. To the extent that Inventor(s) retain any rights, title, or interest in the Invention(s) not vested in the Assignee on the date(s) of execution of this Assignment, Inventor(s) hereby assign and otherwise transfer to the Assignee their entire right, title, and interest, throughout the world, in and to: the Invention(s), including any patent applications, patents, invention registrations, and equivalents thereof (including any and all provisional, international, regional, and national patents and patent applications, and all divisions, continuations, continuations-in-part, renewals, reissues, reexams, substitutes and extensions thereof), for the Invention(s) and all rights to claim priority thereto. Inventor(s) further assign and otherwise transfer to Assignee all causes of action and remedies arising under any patent or patent application for the Invention(s) prior to, on,

or after the date(s) of execution of this Assignment. Inventor(s) shall not be entitled to an accounting for any causes of action or remedies pursued by Assignee.

- 3. The transfers set forth in Paragraphs 1 and 2 above are in consideration for the sum of at least one U.S. dollar (US\$1) (or its equivalent) and/or other consideration for which both parties acknowledge to be valuable. Such consideration includes but is not limited to at least one of the following: employment, an independent contractor agreement, monetary payment, or other benefit hereby acknowledged as received.
- 4. Inventor(s) hereby authorize and request the Commissioner of Patents and Trademarks, or equivalent thereof, to issue the patent for the Invention, and all resulting patents therefrom, insofar as the Inventor(s)' interest is concerned, to the Assignee.
- 5. Inventor(s) further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect Assignee's rights, title, and interest in the Invention(s).
- 6. Inventor(s) hereby authorize Assignee, its successors and assigns, its legal representatives, or anyone the Assignee may properly designate, to insert in this Assignment of Patent Rights the filing date and/or application number of the Application when ascertained.
- 7. Inventor(s) hereby further agree to, with respect to any patent application or patent for the Invention(s), at the expense of the Assignee:
  - i) testify in any legal proceedings,
  - ii) sign all lawful papers,
  - iii) execute all divisional, continuation, continuation-in-part, reissue, reexamination, and substitute applications,
  - iv) make all lawful oaths, and assist in vesting title in the Assignee and to aid the Assignee to obtain and enforce proper protection for the subject matter of the Invention(s) in all countries and regions, and
  - v) notify Assignee promptly (by facsimile or first class mail) of any subpoena or contact by any person other than Assignee or its agents regarding the Invention or resultant patent(s) issuing therefrom, and in any event at least one week prior to any deposition, legal inquiry or legal proceeding relating to the above identified invention.

Inventøf: (Signature) <u>10 /ʔ /ʔወᠠ역</u> (Date) Derrick Allen AGUREN State of TEXAS

County of TRAVIS On October 7, 2019 before me, (insert date) (insert name and title of the notarizing officer) personally appeared Dern'd Allen Agurer who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of TEKAS that the foregoing paragraph is true and correct. WITNESS my hand and official seal. Signature: Kesty Incuti ARY SETANDESCUTIA My Notary ID # 7740894 Expires August 5, 2022

This assignment is executed on the date(s) of which the Inventor(s) have signed.

| Inventor  | (Signature)  | 10/4/19   | (Date)                                      |
|---|--|---|---|
| Eric H. VAN TASSELL   |  |   | (=====)                                     |
|   |  |   |   |
|   |  |   |   |
| State of lexas  | )  |   |   |
| County of Travis  | )  |   |   |
|   |  |   |   |
| On /0 4 70/9 (insert date)  | before me,   |   |   |
| Deb va Tobacher (insert name and tit  | Martinez,  | Notarg  | Public                                      |
| (insert name and tit  | tle of the notavizin   | ig officer)   |   |
| personally appeared who proved to me on the basis name(s) is/are subscribed to the/she/they executed the same his/her/their signature(s) on the which the person(s) acted, executed the same which the person(s) acted, executed the same his/her/their signature(s). | s of satisfactory<br>he within instrur<br>in his/her/their<br>instrument the p | evidence to be t<br>ment and acknow<br>authorized capac<br>erson(s), or the e | vledged to me that<br>ity(ies), and that by |
| certify under PENALTY C   |  | under the laws<br>g paragraph is tru  |   |
| WITNESS my hand and official s  | eal.   |   |   |
| DEBRA FABACHER MARTINEZ Notary Public, State of Texas Comm. Expires 03-05-2022 Notary ID 128044640  |  |   |   |
| (NOTARY SEAL)   | Signature:   | Sela Frederick  | Made  |

| Inventor:  Gabriel H. LOH     | (Signature)                 | <u> 10/3/2₀/9</u> (Date |
|-------------------------------|-----------------------------|-------------------------|
| Witness # 1:  Alana Alson     | (Signature)<br>(Print Name) | 10/3/2019 (Date)        |
| Witness # 2:  May cu 5 Cho Wa | (Signature)<br>(Print Name) | <u>10/3/2019</u> (Date) |

| Inventor:       | _(Signature)   | 10/3/19 | (Date)        |
|-----------------|----------------|---------|---------------|
| Jáv FLEISCHMAN  |                |         | # <b>\$</b> " |
| Witness # 1:    |                |         |               |
| 27m 2550        | _(Signature)   | 10/3/19 | _ (Date)      |
| Logan Vinesett  | _(Print Name)  | w       |               |
|                 | 58 ×358<br>5,4 | 8887    |               |
| Witness # 2-1   |                |         | <b>.</b>      |
| H. W.           | _(Signature)   | 10/3/19 | _ (Date)      |
| Mustin Wittmann | _(Print Name)  |         |               |

PATENT REEL: 050651 FRAME: 0323

RECORDED: 10/08/2019