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PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4896923

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN WUU	02/27/2018
SAMUEL NAFFZIGER	03/21/2018
MICHAEL K. CIRAULA	03/21/2018
RUSSELL SCHREIBER	02/22/2018

RECEIVING PARTY DATA

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City:	SANTA CLARA
State/Country:	CALIFORNIA
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15903253

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ATTORNEY DOCKET NUMBER:	1458-0566
NAME OF SUBMITTER:	PAUL J. POLANSKY
SIGNATURE:	/Paul J. Polansky/
DATE SIGNED:	04/03/2018

Total Attachments: 6

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Attorney Docket No. 1458-0566 / AMD Reference No. 170224-US-NP

ASSIGNMENT OF PATENT RIGHTS

This is an assignment of patent rights between inventor(s) **John Wuu, Samuel Naffziger, Michael K. Ciraula, and Russell Schreiber** (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 **United States of America** on February 23, 2018, entitled **FLEXIBILE INTERFACES USING THROUGH-SILICON VIA TECHNOLOGY**, and having a docket number of **1458-0566**(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.

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

Inventor:		
John Wulu	_(Signature) (Printed Name)	ァ/21/2018 (Date)
Witness # 1:		
Tigh Affice Kyle Whittle	_(Signature) _(Print Name)	<u> 2/27/201</u> 9(Date)
Witness # 2:		
E. B.K	(Signature)	2/27/2018 (Date)

| Signature | Signature | Samuel Naffziger | (Printed Name) | (Printed Name) |

| Witness # 1; | Signature | Stephen J. Dussingen | (Print Name) | (Print Name) | (Date) | (Print Name) |

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

Inventor:			
Michael K. Ciraula	(Signature) (Printed Name)	3/21/18	̯ (Date)
Witness # 1: Stephen J. Dussinger		3/21/18	_ (Date)
Witness # 2:	_(Signature) _(Print Name)	<u> 3/2//18</u>	ຼ(Date)

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

Inventor:		
Russell Schreiber	(Signature)	<u>2/22//8</u> (Date)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of Texas)
County of Texas)

On <u>February ZZ, Inst</u>before me, <u>Angelia Warrowi</u>. Notary Public, personally appeared <u>Rwssell School</u>, 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 that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Notary Public

ANGELA WITHROW
Notary ID #129279984
My Commission Expires
Jan 25, 2021

[SEAL]

PATENT REEL: 045424 FRAME: 0008

RECORDED: 04/03/2018