505659127 09/06/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN WUU	08/23/2017
SAMUEL NAFFZIGER	08/24/2017

RECEIVING PARTY DATA

Name:	ADVANCED MICRO DEVICES, INC.
Street Address:	2485 AUGUSTINE DRIVE
Internal Address:	ATTN: LEGAL DEPARTMENT
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16563138

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	AMDI:337D1\HON
NAME OF SUBMITTER:	TIMOTHY M. HONEYCUTT
SIGNATURE:	/Timothy M. Honeycutt/
DATE SIGNED:	09/06/2019

Total Attachments: 4

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PATENT 505659127 REEL: 050295 FRAME: 0164

AMD Reference No. 170062

ASSIGNMENT OF PATENT RIGHTS

This is an assignment of patent rights between inventor(s) **John Wuu, Samuel Naffziger, Patrick J. Shyvers, Milind S. Bhagavat, Kaushik Mysore** and **Brett P. Wilkerson** (hereinafter referred to as the "Inventor(s)") and ADVANCED MICRO DEVICES, INC., having a place of business at One AMD Place, P.O. Box 3453, Sunnyvale, California 94088-3453 (hereinafter referred to as the "Assignee").

WHEREAS, Inventor(s) are named as inventors in the patent application filed in **United**States on , entitled **ARRANGEMENT AND**THERMAL MANAGEMENT OF 3D STACKED DIES, having application no.

, and having a docket number of 170062 (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.

AMD Reference No. 170062

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 Wuju			
	(Signature)	8/23/2017	(Date)
John Wou	_ (Print Name)		
Witness # 1:			
Lawoo	(Signature)	8/23/2017	(Date)
<u>HA: VO-BA</u>	(Print Name)		
Witness # 2:			
Daly 1/2	(Signature)	<u> </u>	(Date)
David S. Viden	_ (Print Name)		
Inventor: Samuel Naffziger			
<u> </u>	(Signature)	<u>8/24/200</u>	(Date)
Samuel Wallery	(Print Name)		
Witness # 1:			
Laivoba_	(Signature)	<u>8/24/2017</u>	(Date)
HAT VO-BA	(Print Name)		
Witness # 2:			
Dails Val	(Signature)	8-24-2017	(Date)
Day J. S. Vicken	(Print Name)		

Inventor: Patrick J. Shyvers		
	(Signature)	(Date)
	(Print Name)	
Witness # 1:		
	(Signature)	(Date)
,	(Print Name)	
Witness # 2:		
A	(Signature)	(Date)
	(Print Name)	