507087884 01/21/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

tylesheet version v1.2

EPAS ID: PAT7134721

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date		
JOHN WUU	12/01/2017		
MARTIN PAUL PIORKOWSKI	12/01/2017		

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:	17530815			

CORRESPONDENCE DATA

Fax Number: (512)355-1119

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: 5125822455

Email: amd@ds-patent.com

Correspondent Name: DAVIDSON SHEEHAN LLP
Address Line 1: 6836 AUSTIN CENTER BLVD

Address Line 2: SUITE 320

Address Line 4: AUSTIN, TEXAS 78731

ATTORNEY DOCKET NUMBER:	170281-DIV-CNT
NAME OF SUBMITTER:	DAVID EDWARDS
SIGNATURE:	/DAVID EDWARDS/
DATE SIGNED:	01/21/2022

Total Attachments: 4

source=170281-DIV Assignment#page1.tif source=170281-DIV Assignment#page2.tif source=170281-DIV Assignment#page3.tif source=170281-DIV Assignment#page4.tif

PATENT 507087884 REEL: 058730 FRAME: 0746

ASSIGNMENT OF PATENT RIGHTS

This is an assignment of patent rights between inventor(s) **John WUU** and **Martin Paul PIORKOWSKI** (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").

WHERE	AS, Inv	entor(s	s) are na	med a	s inventors in	the	patent	application	filed	in th	16
United	States	Of	America	on			entit	ed MEM	ORY	WIT	-
EXPAN	DABLE	ROW	WIDTH,	having	application no	o,			and ha	aving	а
docket n	umber	of 145 8	3-170281	(herei	nafter referred	to a	s the "A	pplication")	; 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.

PATENT REEL: 058730 FRAME: 0747

AMD Reference No. 170281

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.

PATENT REEL: 058730 FRAME: 0748

Inventor: John WUU	(Signature)	12/1/2017	〔(Date)
Witness # 1; Dug Val David S. Vides	〔(Signature) 〔(Print Name)	12-1-2017	_(Date)
Witness # 2: Stopper Russinger Stopper Dussinger	_(Signature) _(Print Name)	<u> 12/1/17</u>	_(Date)

PATENT REEL: 058730 FRAME: 0749

Inventor:	(Signatu	re)	12/1/.	<u>7</u> (Da	te)
Martin Paul PIORKOWSKI			* 1	* ***	?
7					
<u></u>					
State of Texas)			
County of Travis)			
On 12/01/17 (insert date)	_ before me,	 •			
(insert date) (insert name and		ひとてン			
(insert name and	title of the nøta	arizing o	fficer)		
personally appeared	ty rauly	<u>Zocko</u>	iviski		
who proved to me on the bas					
name(s) is/are subscribed to he/she/they executed the sam					
his/her/their signature(s) on the					
which the person(s) acted, exec			N. S.	ne and and any	
certify under PENALTY					
WITNESS my hand and official	seal				
	0000				
(NIOTADA) OF ALL	^	1		711	
(NOTARY SEAL)	Signature:		-///-	\ / /	<u>k</u>
			1	X_{-}	
JOSE ADRIAN RODRIGUEZ Notary ID #129055797					
My Commission Expires August 28, 2021					

PATENT REEL: 058730 FRAME: 0750

RECORDED: 01/21/2022