PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ARKAPRAVA BASU	07/05/2016
DMITRI YUDANOV	07/22/2016
DAVID A. ROBERTS	07/21/2016
MITESH R. MESWANI	07/01/2016
SERGEY BLAGODUROV	06/29/2016

RECEIVING PARTY DATA

Name:	ADVANCED MICRO DEVICES, INC.
Street Address:	ONE AMD PLACE
City:	SUNNYVALE
State/Country:	CALIFORNIA
Postal Code:	94085

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15191355

CORRESPONDENCE DATA

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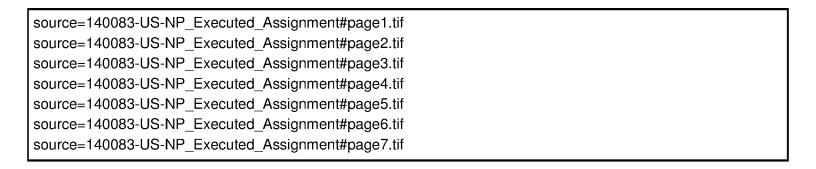
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Total Attackments, 7	
DATE SIGNED:	07/26/2016
SIGNATURE:	/DENNIS F. DEFINO, JR./
NAME OF SUBMITTER:	DENNIS F. DEFINO, JR.
ATTORNEY DOCKET NUMBER:	AMD-140083-US-NP

Total Attachments: 7



AMD Reference No. 140083-US-NP

ASSIGNMENT OF PATENT RIGHTS

This is an assignment of patent rights between inventor(s) Arkaprava Basu, Dmitri

Yudanov, David A. Roberts, Mitesh R. Meswani, and Sergey Blagodurov (hereinafter

referred to as the "Inventor(s)") and Advanced Micro Devices, Inc., having a place of

business at One AMD Place, Sunnyvale, 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 June 23, 2016, entitled MULTI-PROCESSOR

APPARATUS AND METHOD OF DETECTION AND ACCELERATION OF LAGGING

TASKS, having application no. 15/191,355, and having a docket number of AMD-

140083-US-NP (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,

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AMD Reference No. 140083-US-NP

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.

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Inventor: Arkaprava Basu Arkayorava Bosu (Signature) 07/05/2016 (Date) RKAPRAYA BASU(Print Name) State of: <u> 12145)</u> TRAVIS) County of: On <u>July 5, 2016</u> before me, (insert date) TANET TO BOSINE () NOTANG PUBLIC (Insert name and title of the notarizing officer) personally appeared <u>Onlogical Passa</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 <u>プラメル S</u> that the foregoing paragraph is true and correct. WITNESS my hand and official seal. Signature: <u>Janut 2 Bassall</u> (NOTARY SEAL) JANET T. BOSWELL MY COMMISSION EXPIRES

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

MARCH 29, 2017

Inventor: Dmitri Yudanov	(Signature) (Print Name)	<u>07/22/2016</u> (Date)
State of:		
County of:	<u>TEYAS</u>) <u>TEAVIS</u>)	
On <u> ω[y ZZ , 20/0</u> (insert [/] date)	before me,	
Katha Esc	utia Notaru for	SPOZE 9 TOKAS
(insert name and	title of the notarizing office	r)
name(s) is/are subscribed he/she/they executed the	e basis of satisfactory evi- d to the within instrumer same in his/her/their aut on the instrument the pers	dence to be the person(s) whose ont and acknowledged to me that horized capacity(ies), and that by on(s), or the entity upon behalf or
I certify under PENALTY C that the foregoing paragraph		vs of the State of
WITNESS my hand and of	ficial seal.	
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KATHY ESCUTIA Notory Public, State of My Cammission Exp. August 08, 2018	Texas ires	Kary In cutri

Inventor: David A. Roberts		
DAND ROSERTS	(Signature) (Print Name)	(Date)
Witness # 1: Off Tavid Panaciki	(Signature) (Print Name)	<u>7/2///6</u> (Date)
Witness # 2: // / / /// /APTIL VY/IC	(Signature) (Print Name)	<u>7121/16</u> (Date)

inventor, witesir r. weswani		
Mitesh R. Meswani	(Signature) (Print Name)	<u> </u>
Witness # 1:	(Signature) (Print Name)	<u>7/1/2016</u> (Date)
Witness # 2: GAGANDEEP S SACHDEV	(Signature) (Print Name)	(Date)

Inventor: Sergey Blagodurov		
SERSEY BLAGODY	(Signature)	6/2-9/2016(Date)
Witness # 1: ANDREW GO KEG	(Signature) <u>~</u> (Print Name)	<u>6 −2 f −2⊌</u> (Date)
Witness # 2:	(Signature)	6/29/2016 (Date)

(Print Name)

Matthew

Poremba