

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT4250464

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL MANTOR	01/03/2017
MARK FOWLER	01/25/2017
MIKKO ALHO	12/07/2016
MIKA TUOMI	12/08/2016
KIIA KALLIO	12/08/2016
PATRICK KLAS RUDOLF BUSS	01/27/2017
JARI ANTERO KOMPPA	12/08/2016
KAJ TUOMI	12/08/2016
CHRISTOPHER J. BRENNAN	01/17/2017
RECEIVING PARTY DATA	
Name:	ADVANCED MICRO DEVICES, INC.
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City:	SUNNYVALE
State/Country:	CALIFORNIA
Postal Code:	94085
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15374752
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	AMDATI-160298-US-NP
NAME OF SUBMITTER:	JOSHUA A. HAMBERGER

PATENT

SIGNATURE:	/Joshua A. Hamberger/
DATE SIGNED:	01/30/2017
Total Attachments: 11 source=160298-US-NP_Executed_Asssignment_AMD#page1.tif source=160298-US-NP_Executed_Asssignment_AMD#page2.tif source=160298-US-NP_Executed_Asssignment_AMD#page3.tif source=160298-US-NP_Executed_Asssignment_AMD#page4.tif source=160298-US-NP_Executed_Asssignment_AMD#page5.tif source=160298-US-NP_Executed_Asssignment_AMD#page6.tif source=160298-US-NP_Executed_Asssignment_AMD#page7.tif source=160298-US-NP_Executed_Asssignment_AMD#page8.tif source=160298-US-NP_Executed_Asssignment_AMD#page9.tif source=160298-US-NP_Executed_Asssignment_AMD#page10.tif source=160298-US-NP_Executed_Asssignment_AMD#page11.tif	

ASSIGNMENT OF PATENT RIGHTS

This is an assignment of patent rights between inventor(s) Michael Mantor, Mark Fowler, Mikko Alho, Mika Tuomi, Kiia Kallio, Patrick Klas Rudolf Buss, Jari Antero Komppa, Kaj Tuomi and Christopher J. Brennan (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 December 9, 2016, entitled **REMOVING OR IDENTIFYING OVERLAPPING FRAGMENTS AFTER Z-CULLING**, having application no. 15/374,752, and having a docket number of AMDATI-160298-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,

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: Michael Mantor

Michael Mantor (Signature) 1/3/2017 (Date)
Michael Mantor (Print Name)

State of: Florida)
County of: Orange)

On Jan. 3, 2017 before me,
(insert date)

Jennie L. Wilson, Receptionist
(insert name and title of the notarizing officer)

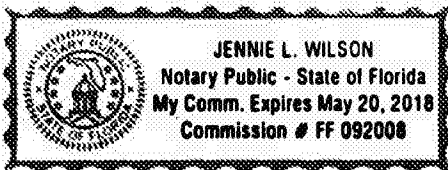
personally appeared Michael Mantor,
who proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is/are subscribed to the within instrument and acknowledged to me that
he/she/they executed the same in his/her/their authorized capacity(ies), and that by
his/her/their signature(s) 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 Florida
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(NOTARY SEAL)

Signature: Jennie L. Wilson



Inventor: Mark Fowler

Mark Fowler (Signature) 1/25/2017 (Date)
Mark Fowler (Print Name)

State of: MA)
County of: Middlesex)

On 1-25-2017 before me,
(insert date)

LISA A BERTHIAUME Administrator
(insert name and title of the notarizing officer)

personally appeared MARK FOWLER
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 MA that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.


(NOTARY SEAL)

Signature: Lisa A Berthiaume




LISA A. BERTHIAUME
Notary Public
Commonwealth of Massachusetts
My Commission Expires
April 4, 2019


Inventor: Mikko Alho

 (Signature) 2016-12-07 (Date)
MIKKO ALHO (Print Name)


Witness # 1:

 (Signature) 2016-12-07 (Date)
JUKKA PULKKINEN (Print Name)

Witness # 2:


 (Signature) 2016-12-07 (Date)
MATTI SEPPÄLÄ (Print Name)

Inventor: Mika Tuomi




MIKA TUOMI (Print Name) (Signature) 8. DEC 2016 (Date)

Witness # 1:




JUHANI PYYKKÖ (Print Name) (Signature) 8 DEC 2016 (Date)

Witness # 2:




JANNA PYYKKÖ (Print Name) (Signature) 8 DEC 2016 (Date)


Inventor: Kiia Kallio


..... (Signature) 2016-12-09 (Date)
Kiia Kallio (Print Name)

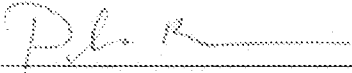
Witness # 1:


..... (Signature) 2016-12-08 (Date)
Jarmo Pulkkinen (Print Name)

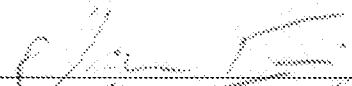
Witness # 2:


..... (Signature) 2016-12-08 (Date)
MATTI SEPPÄLÄ (Print Name)


Inventor: Patrick Klas Rudolf Buss

 (Signature) 2017/01/27 (Date)
PATRICK BUSS (Print Name)


Witness # 1:

 (Signature) 2017/01/27 (Date)
Van Turner (Print Name)


Witness # 2:

 (Signature) 2017/01/27 (Date)
KAREN YAP (Print Name)

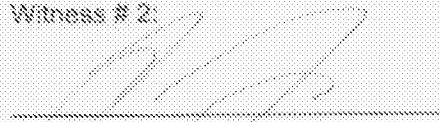
Inventor, Jani Antero Komppa

 (Signature) 8. Dec 2016 (Date)
Jani Komppa (Print Name)


Witness # 1:

 (Signature) 8. Dec 2016 (Date)
JUKKA PELTOLA (Print Name)


Witness # 2:

 (Signature) 8. Dec 2016 (Date)
Johnny Pukkane (Print Name)

Inventor: Kaj Tuomi

 (Signature) 8 Dec 2016 (Date)
Kaj Tuomi (Print Name)

Witness # 1:

 (Signature) 8 Dec 2016 (Date)
Juhani Suvisaari (Print Name)

Witness # 2:

 (Signature) 8 Dec 2016 (Date)
Janne Anttonen (Print Name)

Inventor: Christopher J. Brennan

Chris Brennan (Signature)

1/17/2017 (Date)

Christopher J. Brennan (Print Name)

State of: MA)

County of: Middlesex)

On January 17, 2017 before me,
(insert date)

LISA BERTHIAUME - Administrator
(insert name and title of the notarizing officer)

personally appeared Christopher Brennan,
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 MA
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(NOTARY SEAL)

Signature: Lisa Berthiaume

