

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Mark D. Hummel	07/02/2012
RECEIVING PARTY DATA	
Name:	Advanced Micro Devices, Inc.
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13249171
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ATTORNEY DOCKET NUMBER:	5800-46200
NAME OF SUBMITTER:	Paul T. Seegers
Signature:	/Paul T. Seegers/
Date:	07/29/2013
Total Attachments: 3 source=Assignment-Hummel#page1.tif source=Assignment-Hummel#page2.tif source=Assignment-Hummel#page3.tif	

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### ASSIGNMENT OF PATENT RIGHTS

This is an assignment of patent rights between inventors **Benedict R. Gaster, Lee W. Howes** and **Mark D. Hummel** (hereinafter referred to as the "Inventors") and Advanced Micro Devices, Inc., having a place of business at One AMD Place, P.O. Box 3453, Sunnyvale, CA 94088 (hereinafter referred to as the "Assignee").

WHEREAS, Inventors have caused to be prepared a United States Patent Application in the Inventors' name filed September 29, 2011, Serial No. 13/249,171, entitled **VECTOR WIDTH-AWARE SYNCHRONIZATION-ELISION FOR VECTOR PROCESSORS**, which has been executed by the undersigned concurrently herewith, and having a docket number of **5800-46200** (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 Inventors are subject to a prior agreement transferring rights, title, and/or interest in the Invention(s) to the Assignee, Inventors hereby confirm such transfer.
2. To the extent that Inventors retain any rights, title, or interest in the Invention(s) not vested in the Assignee on the date(s) of execution of this Assignment, Inventors 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. Inventors 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. Inventors 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. Inventors hereby authorize and request the Commissioner of Patents and Trademarks, or equivalent thereof, to issue the patent for the Invention(s), and all resulting patents therefrom, insofar as the Inventors' interest is concerned, to the Assignee.

5. Inventors 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. Inventors 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. Inventors 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(s) 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(s).

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

Inventor:

Mark D. Hummel (Signature) 7/2/2012 (Date)  
Mark D. Hummel

State of MA

County of Worcester

On July 2, 2012 before me,  
(insert date)

Lisa A Berthiaume Administrative Specialist/Notary  
(insert name and title of the notarizing officer)


personally appeared Mark D. Hummel, 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  
A

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