

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2909792

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHN R. RILEY	06/05/2014
RUSSELL SCHREIBER	06/16/2014
DONALD R. WEISS	05/19/2014
JOHN J. WUU	05/19/2014
WILLIAM A. MCGEE	06/16/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ADVANCED MICRO DEVICES, INC.
<b>Street Address:</b>	ONE AMD PLACE
<b>Internal Address:</b>	P.O. BOX 3453
<b>City:</b>	SUNNYVALE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94088
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14307164
<b>CORRESPONDENCE DATA</b>	
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<b>Phone:</b>	(512) 853-8800
<b>Email:</b>	gjimenez@intprop.com
<b>Correspondent Name:</b>	MEYERTONS HOOD KIVLIN KOWERT & GOETZEL
<b>Address Line 1:</b>	P.O. BOX 398
<b>Address Line 4:</b>	AUSTIN, TEXAS 78767-0398
<b>ATTORNEY DOCKET NUMBER:</b>	5800-52200
<b>NAME OF SUBMITTER:</b>	RORY D. RANKIN
<b>SIGNATURE:</b>	/Rory D. Rankin/
<b>DATE SIGNED:</b>	06/23/2014
<b>Total Attachments: 6</b>	
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### ASSIGNMENT OF U.S. PATENT APPLICATION

This is an assignment of patent rights between Inventors John R. Riley, Russell Schreiber, Donald R. Weiss, John J. Wu, William A. McGee (hereinafter referred to as "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 "Assignee").

WHEREAS, Inventor(s) are named as inventors in the patent application filed concurrently herewith in the United States, entitled SIDECAR SRAM FOR HIGH GRANULARITY, and having a docket number of **5800-52200** (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:

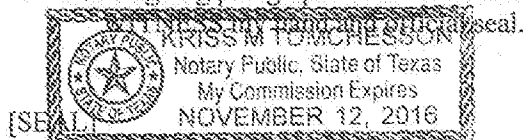
John R. Riley

Date: 6-5-14

State of TEXAS §  
County of TRAVIS §

On JUNE 5, 2014, before me KRISTIN M. TOMCHESSON (name and title of notarizing officer), personally appeared John R. Riley, 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 TEXAS that the foregoing paragraph is true and correct.



Kristin M. Tomchesson  
Notary or Consular Officer

Inventor:

[Signature]  
Russell Schreiber

Date: 6/16/14

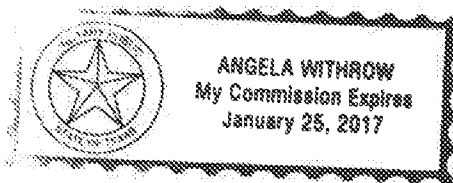
State of Texas §  
County of TRAVIS §

On June 16, 2014, before me Angela Withrow (name and title of notarizing officer), personally appeared Russell Schreiber, 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 Texas that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]



[Signature]  
Notary or Consular Officer

Inventor:

Donald R. Weiss

Date: \_\_\_\_\_

Witness # 1:

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name)

Witness # 2:

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Printed Name)

Inventor:

Russell Schreiber

Date: \_\_\_\_\_

State of \_\_\_\_\_ §  
County of \_\_\_\_\_ §

On \_\_\_\_\_, 2014, before me \_\_\_\_\_ (name and title of  
notarizing officer), personally appeared Russell Schreiber, 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 \_\_\_\_\_  
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

Inventor:

Donald R. Weiss  
Donald R. Weiss

Date: 5/19/14

Witness # 1:

Karen Hennings  
(Signature)  
Karen Hennings  
(Printed Name)

Witness # 2:

Ryan Hennings  
(Signature)  
Ryan Hennings  
(Printed Name)

Inventor:

[Signature]  
John J. Wu

Date: 5/19/2014

Witness # 1:

[Signature]  
(Signature)  
Michael Cravala  
(Printed Name)

Witness # 2:

[Signature]  
(Signature)  
Andrew J. Robinson  
(Printed Name)

Inventor:

William A. McGee

Date: \_\_\_\_\_

State of \_\_\_\_\_ §  
County of \_\_\_\_\_ §

On \_\_\_\_\_, 2014, before me \_\_\_\_\_ (name and title of  
notarizing officer), personally appeared William A. McGee, 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 \_\_\_\_\_  
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

Customer Number 53806  
Rory D. Rankin  
Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.  
P.O. Box 398  
Austin, TX 78767-0398

Inventor:

John J. Wu

Date: \_\_\_\_\_

Witness # 1:

Witness # 2:

(Signature)

(Signature)

(Printed Name)

(Printed Name)

Inventor:

William A. McGee

Date: 6/16/14

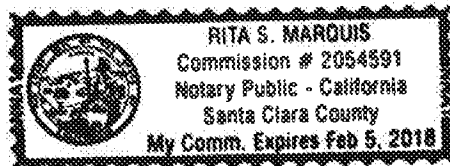
State of California §  
County of Santa Clara §

On June 14, 2014, 2014, before me Rita S. Marquis (name and title of notarizing officer), personally appeared William A. McGee, 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 California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]



Rita S. Marquis  
Notary or Consular Officer

Customer Number 53806  
Rory D. Rankin  
Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.  
P.O. Box 398  
Austin, TX 78767-0398