

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2792539

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>ZHE WANG</td><td>08/20/2013</td></tr><tr><td>YUAN XIE</td><td>08/16/2013</td></tr><tr><td>YI XU</td><td>08/26/2013</td></tr><tr><td>JUNLI GU</td><td>08/27/2013</td></tr><tr><td>TING GAO</td><td>08/23/2013</td></tr></tbody></table>	Name	Execution Date	ZHE WANG	08/20/2013	YUAN XIE	08/16/2013	YI XU	08/26/2013	JUNLI GU	08/27/2013	TING GAO	08/23/2013	
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YUAN XIE	08/16/2013												
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JUNLI GU	08/27/2013												
TING GAO	08/23/2013												
RECEIVING PARTY DATA													
Name:	ADVANCED MICRO DEVICES, INC.												
Street Address:	ONE AMD PLACE												
City:	SUNNYVALE												
State/Country:	CALIFORNIA												
Postal Code:	94088												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>14229420</td></tr></tbody></table>	Property Type	Number	Application Number:	14229420									
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Application Number:	14229420												
CORRESPONDENCE DATA													
Fax Number:	(202)371-2540												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
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Email:	jasone@skgf.com, lmiller@skgf.com, ajgardel@skgf.com												
Correspondent Name:	STERNE, KESSLER, GOLDSTEIN & FOX PLLC												
Address Line 1:	1100 NEW YORK AVENUE, NW												
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20005												
ATTORNEY DOCKET NUMBER:	1972.3450000												
NAME OF SUBMITTER:	JASON D. EISENBERG												
SIGNATURE:	/Jason D. Eisenberg #43447/												
DATE SIGNED:	03/31/2014												
Total Attachments: 12													
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ASSIGNMENT OF PATENT RIGHTS

This is an assignment of patent rights between inventor(s) **Zhe WANG, Yuan XIE, Yi XU, Junli GU and Ting GAO** (hereinafter referred to as the "Inventor(s)") and Advanced Micro Devices, Inc., having a place of business at One AMD Place, Sunnyvale, California 94088, USA (hereinafter referred to as the "Assignee").

WHEREAS, Inventor(s) are named as inventors in the patent application filed in **USA** on **Herewith**, entitled **ENHANCING LIFETIME OF NON-VOLATILE CACHE BY REDUCING INTRA-BLOCK VARIATION**, having application no. **To Be Assigned**, and having a docket number of **1972.3450000** (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).

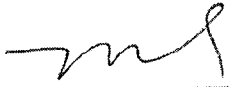
6. Inventor(s) hereby authorize Assignee, its successors and assigns, its legal representatives, or anyone the Assignee may properly designate, to insert in this Assignment of Patent Rights the filing date and/or application number of the Application when ascertained.

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: **Zhe WANG**

 (Signature) 08/20/2013 (Date)
ZHE WANG (Print Name)

State of _____)

County of _____)

On _____ before me,
(insert date)

(insert name and title of the notarizing officer)

personally appeared _____,
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 SEAL)

Signature: _____

Witness # 1:

[Signature] (Signature) 08/20/13 (Date)
ELVA TERAN (Print Name)

Witness # 2:

[Signature] (Signature) 08/20/13 (Date)
Yingying Tian (Print Name)

Inventor: Yuan XIE

_____ (Signature) _____ (Date)
_____ (Print Name)

State of _____)

County of _____)

On _____ before me,
(insert date)

(insert name and title of the notarizing officer)

personally appeared _____,
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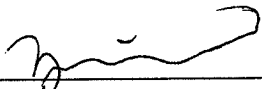
Witness # 1:

(Signature) (Date)
(Print Name)

Witness # 2:

(Signature) (Date)
(Print Name)

Inventor: Yuan XIE



(Signature) 8/16/2013 (Date)
(Print Name) Yuan Xie

State of _____)

County of _____)

On _____ before me,
(insert date)

(insert name and title of the notarizing officer)

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WITNESS my hand and official seal.

(NOTARY SEAL)

Signature: _____

Witness # 1:

Huang Henry (Signature) 2013-8-27 (Date)
Huang Henry (Print Name)

Witness # 2:

Bo Su (Signature) 2013-8-27 (Date)
Bo Su (Print Name)

Inventor: Yi XU

_____ (Signature) _____ (Date)
 _____ (Print Name)

State of _____)

County of _____)

On _____ before me,
(insert date)

(insert name and title of the notarizing officer)

WITNESS my hand and official seal.

(NOTARY SEAL)

Signature: _____

Witness # 1:

(Signature) (Date)
(Print Name)

Witness # 2:

(Signature) (Date)
(Print Name)

Inventor: Yi XU

(Signature) (Date)
(Print Name)

State of _____)

County of _____)

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(insert date)

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that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(NOTARY SEAL)

Signature: _____

Witness # 1:

Eason (Signature) 2013.8.26 (Date)
Eason Gu (Print Name)

Witness # 2:

Yonghui Ma (Signature) 2013.8.26 (Date)
Yonghui Ma (Print Name)

Inventor: **Ting GAO**

(Signature) (Date)
(Print Name)

State of _____)

Inventor: **Junli GU**

Gu, Jun Li (Signature) 8/27/2013 (Date)

(Print Name)

State of _____)

County of _____)

On _____ before me,
(insert date)

(insert name and title of the notarizing officer)

personally appeared _____,
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_____ that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(NOTARY SEAL)

Signature: Gu, Junli

Witness # 1:

Huang Henry (Signature) 2013-8-27 (Date)
Huang Henry (Print Name)

personally appeared _____,
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WITNESS my hand and official seal.

(NOTARY SEAL)

Signature: _____

Witness # 1:

(Signature) (Date)
(Print Name)

Witness # 2:

(Signature) (Date)
(Print Name)

Inventor: **Ting GAO**

Ting Cao (Signature) 23/08/2013 (Date)
Ting Cao (Print Name)

State of _____)

County of _____)

On _____ before me,
(insert date)

(insert name and title of the notarizing officer)

personally appeared _____,
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WITNESS my hand and official seal.

)
)

(NOTARY SEAL)

Signature: _____

Witness # 1:

Tiejun Gao (Signature) 2013/08/23 (Date)
TIEJUN GAO (Print Name)

Witness # 2:

王坤山 (Signature) 23/08/2013 (Date)
KUNSHAN WANG (Print Name)

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