

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Aaron John NYGREN</td><td>09/02/2010</td></tr><tr><td>Ming-Ju Edward LEE</td><td>09/02/2010</td></tr><tr><td>Shadi M. BARAKAT</td><td>09/02/2010</td></tr><tr><td>Xiaoling XU</td><td>09/02/2010</td></tr><tr><td>Toan Duc PHAM</td><td>08/30/2010</td></tr><tr><td>Warren Fritz KRUGER</td><td>09/02/2010</td></tr></tbody></table>		Name	Execution Date	Aaron John NYGREN	09/02/2010	Ming-Ju Edward LEE	09/02/2010	Shadi M. BARAKAT	09/02/2010	Xiaoling XU	09/02/2010	Toan Duc PHAM	08/30/2010	Warren Fritz KRUGER	09/02/2010
Name	Execution Date														
Aaron John NYGREN	09/02/2010														
Ming-Ju Edward LEE	09/02/2010														
Shadi M. BARAKAT	09/02/2010														
Xiaoling XU	09/02/2010														
Toan Duc PHAM	08/30/2010														
Warren Fritz KRUGER	09/02/2010														
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>12846972</td></tr></tbody></table>		Property Type	Number	Application Number:	12846972										
Property Type	Number														
Application Number:	12846972														
CORRESPONDENCE DATA															
Fax Number:	(202)371-2540														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	202.371.2600														
Email:	vbartels@skgf.com														
Correspondent Name:	Sterne, Kessler, Goldstein & Fox PLLC														
Address Line 1:	1100 New York Avenue, N.W.														
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20005														
ATTORNEY DOCKET NUMBER:	1972.0950001														
NAME OF SUBMITTER:	Theodore A. Wood														

OP \$40.00 12846972

501310073

PATENT  
REEL: 025087 FRAME: 0251

**Total Attachments: 7**

source=1972\_0950001\_Assignment#page1.tif

source=1972\_0950001\_Assignment#page2.tif

source=1972\_0950001\_Assignment#page3.tif

source=1972\_0950001\_Assignment#page4.tif

source=1972\_0950001\_Assignment#page5.tif

source=1972\_0950001\_Assignment#page6.tif

source=1972\_0950001\_Assignment#page7.tif

PATENT APPLICATION

ASSIGNMENT OF U.S. PATENT APPLICATION

This is an assignment of patent rights between inventors **Aaron J. NYGREN, Ming-Ju E. LEE, Shadi M. BARAKAT, Xiaoling XU, Toan D. PHAM and Warren Fritz KRUGER** (hereinafter referred to as "Inventors") and Advanced Micro Devices, Inc., having a place of business at One AMD Place, Sunnyvale, California 94088 (hereinafter referred to as "Assignee").

WHEREAS, Inventors have caused to be prepared a United States Patent Application in the Inventors' names entitled **Command Protocol for Adjustment of Write Timing Delay**, having application no. 12/846,972, filed on July 30, 2010, having a docket number of **1972.0950001** (hereinafter referred to as the "Invention"); and

WHEREAS, Assignee has a desire to acquire all rights, title, and interest in the Invention.

NOW, THEREFORE, the parties agree as follows:

1. Inventors hereby sell, assign, and transfer their entire right, title, and interest in the Invention and all patents that may be granted therefrom due to divisions, reissue, substitutions, extensions, continuations, and continuations-in-part to the Assignee.

2. Inventors hereby sell, assign, and transfer their entire right, title, and interest in any foreign (non-U.S.) national patent application, invention registration, or equivalent (Foreign Applications) claiming approximately the same subject matter of the Invention to the Assignee.

3. The transfer set forth in Paragraph (2) is in consideration for the sum of one U.S. dollar (US\$1) (or its equivalent) and/or other consideration for which both parties acknowledge to be valuable, having been conveyed to the Inventors by the Assignee. Consideration may include 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 to issue the patent for the Invention, and all resulting patents therefrom, insofar as Inventor's 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 such rights, title, and interest in the Assignee.

6. Inventors hereby yet further agree to, with respect to the referenced patent application, 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 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 in all countries, 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 Inventors have signed.

Inventor Signature:

  
Aaron John NYGREN

Date: Sep 2, 2010

State/Province of: CA)

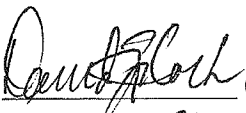

Regional Municipality of: \_\_\_\_\_)

Before me personally appeared said **Aaron John NYGREN** and acknowledge the foregoing instrument to be his free act and deed this 2nd day of September 2010.

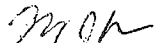
Seal

\_\_\_\_\_(Notary)

OR

Witness #1  (Signature) Witness #2  (Signature)  
DAVID J Block (Print Name) Tom Massaro (Print Name)

Inventor Signature:

  
**Ming-Ju Edward LEE**

Date: 9/21/2010

State/Province of: CA)

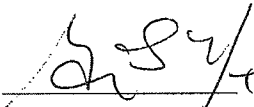
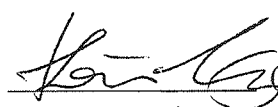
Regional Municipality of: \_\_\_\_\_)

Before me personally appeared said **Ming-Ju Edward LEE** and acknowledge the foregoing instrument to be his free act and deed this 2nd day of September 20 10.

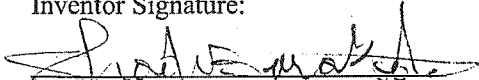
Seal

\_\_\_\_\_(Notary)

OR

Witness #1  (Signature) Witness #2  (Signature)  
Gin S. Yee (Print Name) Kevin Liang (Print Name)

Inventor Signature:

  
**Shadi M. BARAKAT**

Date: Sept 02, 2010

State/Province of: CA)

Regional Municipality of: \_\_\_\_\_)

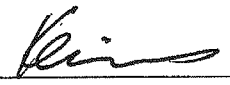

Before me personally appeared said **Shadi M. BARAKAT** and acknowledge the foregoing instrument to be his free act and deed this 02 day of

Sep 2010

Seal

\_\_\_\_\_(Notary)

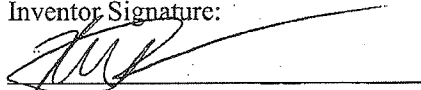
OR

Witness #1  (Signature) Witness #2  (Signature)

Karen Weins (Print Name)

GAYATRI GOPALAN (Print Name)

Inventor Signature:

  
Xiaoling XU

Date: 9/2/2010

State/Province of: CA)



Regional Municipality of: \_\_\_\_\_)

Before me personally appeared said **Xiaoling XU** and acknowledge the foregoing instrument to be his free act and deed this 2 day of Sep 2010.

Seal

\_\_\_\_\_(Notary)

OR

Witness #1	<u></u>	(Signature)	Witness #2	<u></u>	(Signature)
	<u>Wang, Jia</u>	(Print Name)		<u>John Szeto</u>	(Print Name)
	<u>Wang Jia</u>				

Inventor Signature:

  
Toan Duc PHAM

Date: 08/30/2010

State/Province of: 


Regional Municipality of: \_\_\_\_\_

Before me personally appeared said **Toan Duc PHAM** and acknowledge the foregoing instrument to be his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

Seal

\_\_\_\_\_(Notary)

OR

Witness #1 Linh Nguyen (Signature) Witness #2  (Signature)  
Linh Nguyen (Print Name) VINH HUYNH (Print Name)



Inventor Signature:

Warren Fritz KRUGER

Date: 9/2/2010

State/Province of: CA)

Regional Municipality of: SANTA CLARA

Before me personally appeared said **Warren Fritz KRUGER** and acknowledge the foregoing instrument to be his free act and deed this SECOND day of SEPTEMBER 20 10

Seal

\_\_\_\_\_(Notary)

OR

Witness #1 Xigoling Xu (Signature) Witness #2 Wade C. Diet (Signature)  
Xigoling Xu (Print Name) Wade C. Diet (Print Name)