

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Hyun-Jin CHO		05/27/2008
RECEIVING PARTY DATA		
Name:	Advanced Micro Devices, Inc.	
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City:	Austin	
State/Country:	TEXAS	
Postal Code:	78741	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	12128901	
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ATTORNEY DOCKET NUMBER:	005.0136 (H2554)	
NAME OF SUBMITTER:	Erin P. Madill	
Total Attachments: 2		
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PATENT  
REEL: 021016 FRAME: 0085

United States Utility Patent Application  
Attorney Docket No.: 005.0136 (H2554)  
First Named Inventor: Hyun-Jin CHO

**ASSIGNMENT**

**WHEREAS**, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") have invented:

**MEMORY CELLS, MEMORY DEVICES AND INTEGRATED CIRCUITS  
INCORPORATING THE SAME**

for which application for Letters Patent of the United States:

- ☐ has been executed on even date herewith;  
☐ executed on \_\_\_\_\_;  
☒ was filed on May 29, 2008 and assigned U.S. Application Serial No. 12/128,901 ;

**AND WHEREAS**, Advanced Micro Devices, Inc., a ☒ corporation; ☐ partnership; individual ☐ having a place of business at 5204 E. Ben White Blvd., Austin, Texas 78741, U.S.A. (hereinafter "ASSIGNEE"), and successors, assigns, and legal representatives, is desirous of acquiring an interest therein;

**AND WHEREAS**, a "formal application," as referred to herein, shall mean any provisional, nonprovisional, continuation, continuation in part, continued prosecution, substitute, renewal, extension, divisional, reissue, reexamination, foreign, Patent Cooperation Treaty (PCT) or other patent application, inventor's certificate, or like document;

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right to the aforesaid application, to the invention as described in the aforesaid application, and to any formal application which may be filed based in whole or in part on the aforesaid application, in the United States and all foreign countries, together with the right of priority under any international agreements to which the United States currently adheres and adheres to in the future, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives,

**AND ASSIGNOR HEREBY AGREES** to transfer, upon request of ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, a like interest in and to any improvements and formal applications based thereon, growing out of or relating to the invention; and, without further remuneration, to provide all reasonable assistance and execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, to preserve and/or acquire ASSIGNEE's full protection and title in and to the invention hereby transferred and any improvements therein,

**ASSIGNOR AGREEING, FURTHERMORE**, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE for the filing and granting of formal applications based on the invention or improvements therein, and the perfecting of title thereto in ASSIGNEE.

**ASSIGNOR** hereby authorizes Advanced Micro Devices, Inc., its successors and assigns, its legal representatives, or anyone it may properly designate, to insert in this instrument the filing date and/or serial number of said application when ascertained.

**EXECUTED** as of the date(s) written below by ASSIGNOR:

Inventor's Signature: *Hyun Jin Cho* Date: 05/27/2008

Inventor's Printed Name: **Hyun-Jin CHO**

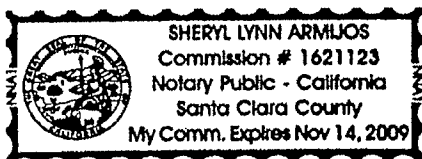
STATE OF CALIFORNIA )

COUNTY OF Santa Clara )

On May 27, 2008 before me, Sheryl L. Armijos, Notary Public  
Date Name and Title of the Officer  
personally appeared Hyun-Jin Cho who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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.



*Sheryl L. Armijos*  
Signature of Notary Public  
(Seal)