

## 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>Hao FANG</td> <td>05/03/2000</td> </tr> <tr> <td>Yue-Song HE</td> <td>04/17/2000</td> </tr> <tr> <td>Mark S. CHANG</td> <td>06/13/2000</td> </tr> <tr> <td>Kent K. CHANG</td> <td>05/06/2000</td> </tr> </tbody> </table>		Name	Execution Date	Hao FANG	05/03/2000	Yue-Song HE	04/17/2000	Mark S. CHANG	06/13/2000	Kent K. CHANG	05/06/2000		
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Advanced Micro Devices, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>901 Thompeon Plaac</td> </tr> <tr> <td>Internal Address:</td> <td>P.O. Box 3453</td> </tr> <tr> <td>City:</td> <td>Sunnyvale</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94088-3453</td> </tr> </table>		Name:	Advanced Micro Devices, Inc.	Street Address:	901 Thompeon Plaac	Internal Address:	P.O. Box 3453	City:	Sunnyvale	State/Country:	CALIFORNIA	Postal Code:	94088-3453
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: (202)371-2540</p> <p>Phone: (202) 371-2600</p> <p>Email: emiller@skgf.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Sterne, Kessler, Goldstein &amp; Fox P.L.L.C</p> <p>Address Line 1: 1100 New York Avenue, N.W.</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20005</p>													
ATTORNEY DOCKET NUMBER:	3186.0220001												
NAME OF SUBMITTER:	Jason D. Eisenberg												
<p>Total Attachments: 3</p> <p>source=3186_0220001_Assignment#page1.tif</p> <p>source=3186_0220001_Assignment#page2.tif</p> <p>source=3186_0220001_Assignment#page3.tif</p>													

OP \$40.00 6979619

## ASSIGNMENT

WHEREAS, the undersigned, Hao Fang, residing at 7719 Carriage Circle, Cupertino, California 95014; Yue-Song He, residing at 1381 Heckman Way, San Jose, California 95129; Mark S. Chang, residing at 1881 Farndon Avenue, Los Altos, California 94024; and Kent K. Chang, residing at 10355 Norwich Avenue, Cupertino, California 95014 (herein after called the Assignor), have invented certain new and useful improvements in

### **FLASH MEMORY DEVICE AND A METHOD OF FABRICATION THEREOF**

for which a United States patent application has been concurrently executed on the date of this assignment.

WHEREAS, ADVANCED MICRO DEVICES, INC., a corporation of the State of Delaware, having a place of business at 901 Thompson Place, P.O. Box 3453, Sunnyvale, California, 94088-3453 (hereinafter termed Assignee), is desirous of acquiring the entire right, title and interest in and to said application and said invention and improvements thereon, and in and to Letters Patents thereon when granted in the United States and foreign countries.

NOW, THEREFORE, for good and valuable consideration received by said Assignors from said Assignee, the receipt of which is hereby acknowledged by said Assignors:

1. Said Assignors do hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest in and to said application and said invention and in and to any and all improvements on said invention and in and to any and all improvements on said invention heretofore or hereafter made or acquired by said Assignors; and in and to any and all Letters Patent on said invention and/or said improvements that may be granted in the United States or any foreign country, including each and every Letters Patent granted on any application which is a division, continuation, substitution, renewal, or continuation-in-part of any said application, and in and to each and every reissue or extension of said Letters Patent.
2. Said Assignors hereby covenant and agree to cooperate with said Assignee where said Assignee may enjoy to the fullest extent the right, title and interest herein conveyed. Such cooperation shall include (a) prompt execution of all papers (prepared at the expense of Assignee) which are deemed necessary or desirable by Assignee to perfect in it the right, title and interest herein conveyed, (b) prompt execution of all petitions, oaths, specifications or other papers (prepared at the expense of Assignee) which are deemed necessary or desirable by assignee for prosecuting said application, for filing and prosecuting divisional, continuation, substitution, renewal, continuation-in-part, or additional applications in the United States and/or foreign countries covering said invention and/or said improvements, for filing and prosecuting applications for reissuance of letters patent included herein, or for interference proceedings involving said invention and/or said improvements and (c) prompt assistance and cooperation in the prosecution of interference proceedings involving said invention and/or said improvements and in the adjudication of said Letters Patent, particularly by the disclosure of facts and the production of evidence relating to said invention and/or said improvements, provided the expenses which may be incurred by said Assignors in lending such assistance and cooperation shall be paid by the Assignee.
3. The terms, covenants and conditions of this assignment shall inure to the benefit of said Assignee, its successors, assigns and/or other legal representatives and shall be binding upon said Assignors, their heirs, legal representatives and assigns.
4. Said Assignors hereby warrant and represent that he has not entered into any assignment, contract or understanding in conflict herewith.

**PATENT**  
**REEL: 010934 FRAME: 0406**

**PATENT**  
**REEL: 028523 FRAME: 0447**

IN WITNESS WHEREOF, the said Assignor has executed and delivered this instrument on the date set forth below.

5/3/2000  
Date

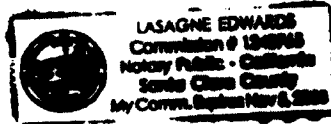
Hao Fang  
Hao Fang

STATE OF CALIFORNIA )  
 )ss.  
COUNTY OF SANTA CLARA )

On May 3, 2000, 2000 before me, Lasagne Edwards, Notary Public, personally appeared Hao Fang, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Lasagne Edwards  
Signature



IN WITNESS WHEREOF, the said Assignor has executed and delivered this instrument on the date set forth below

4/17/2000  
Date

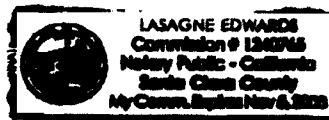
Yue-Song He  
Yue-Song He

STATE OF CALIFORNIA )  
 )ss.  
COUNTY OF SANTA CLARA )

On April 17, 2000 before me, Lasagne Edwards, Notary Public, personally appeared Yue-Song He, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Lasagne Edwards  
Signature



PATENT  
REEL: 010934 FRAME: 0407

PATENT  
REEL: 028523 FRAME: 0448

IN WITNESS WHEREOF, the said Assignor has executed and delivered this instrument on the date set forth below.

6/13/2000  
Date

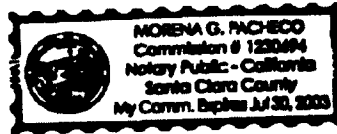
Mark S. Chang  
Mark S. Chang

State of California )  
County of Santa Clara ) ss.

On June 13, 2000 before me, Morena G. Pacheco, Notary Public, personally appeared Mark S. Chang, personally known to me (or proved to me on the basis of satisfactory evidence) to be in the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Morena G. Pacheco  
Signature



IN WITNESS WHEREOF, the said Assignor has executed and delivered this instrument on the date set forth below.

05/06/2000  
Date

Kent K. Chang  
Kent K. Chang

WITNESSED:

Ted Chen  
Signature  
05/06/2000  
Date  
TED CHEN  
Type or print name of witness

WITNESSED:

Wen-Hsiang Chao  
Signature  
05/06/2000  
Date  
WEN-HSIANG CHAO  
Type or print name of witness

RECORDED: 06/15/2000

PATENT  
REEL: 010934 FRAME: 0408

RECORDED: 07/10/2012

PATENT  
REEL: 028523 FRAME: 0449