

07-13-2004  
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U.S. PTO  
10882538  
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Form PTO-1595  
(Rev. 10/02)  
OMB No. 0651-0027 (exp. 6/30/2005)  
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U.S. DEPARTMENT OF COMMERCE  
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Michael VanBuskirk  
Tzu-Ning Fang  
Colin Bill  
Zhida Lan  
6-30-04  
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)  
Name: Advanced Micro Devices, Inc.  
Internal Address:  
Street Address: One AMD Place  
P.O. Box 3453  
City: Sunnyvale State: California Zip: 94088-3453  
Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other  
Execution Date: October 28, 2002

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: 11-4-02  
A. Patent Application No.(s)  
10/287,363 filed on November 4, 2002  
Additional numbers attached? ☐ Yes ☒ No

B. Patent No.(s)  
10882538

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Himanshu S. Amin  
Internal Address:  
Amin & Turocy, LLP  
Street Address: 24th Floor, National City Center  
1900 E. 9th Street  
City: Cleveland State: Ohio Zip: 44114

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41).....\$ 40.00  
☐ Enclosed  
☒ Authorized to be charged to deposit account  
8. Deposit account number:  
50-1063  
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9. Statement and signature.  
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  
Himanshu S. Amin, Reg. No. 40,894  
Name of Person Signing Signature Date June 30, 2004

Total number of pages including cover sheet, attachments, and documents: 6

Mail documents to be recorded with required cover sheet information to:  
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Washington, D.C. 20231

07/12/2004 6TON11 00000116 501063 10882538  
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PATENT  
REEL: 015546 FRAME: 0013

ASSIGNMENT

For good and valuable consideration received of the hereinafter named assignee, receipt of which is hereby acknowledged, the undersigned

Michael A. VanBuskirk  
18653 Vessing Road  
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Tzu-Ning Fang  
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Palo Alto, California 94306

Colin Bill  
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Cupertino, California 95014

Zhida Lan  
10330 N. Foothill Blvd., A14  
Cupertino, California 95104


hereby sell and assign to ADVANCED MICRO DEVICES, INC., a corporation of Delaware having a place of business at One AMD Place, P.O. Box 3453, Sunnyvale, California 94088-3453, U.S.A., its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions entitled

**CONTROL OF MEMORY ARRAYS UTILIZING ZENER DIODE-LIKE DEVICES**

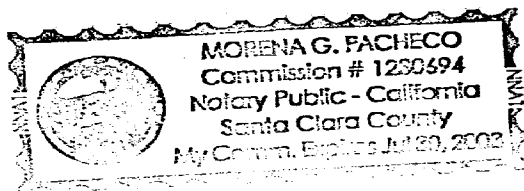
for which application for United States Letters Patent has been filed on \_\_\_\_\_ under Serial No. \_\_\_\_\_, or was executed by the undersigned on the date below and is being filed concurrently herewith, said application for United States Letters Patent, any and all other applications for Letters Patent on said inventions in countries foreign to the United States, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.

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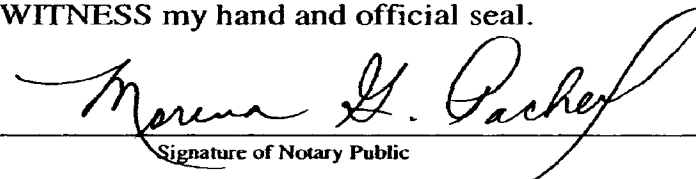
Date:

  
Michael VanBuskirk10/28/2002**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn October 28, 2002 before me, Morena G. Pacheco, Notary Public,  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")personally appeared Michael VanBuskirk  
Name(s) of Signer(s)

X personally known to me - OR - \_\_\_ 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

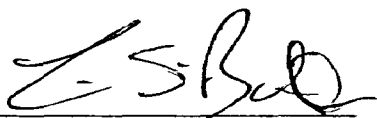


WITNESS my hand and official seal.

  
Signature of Notary Public

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Date:

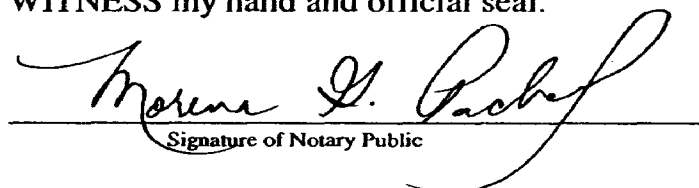
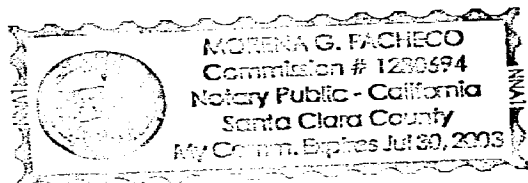
10/28/2002

Colin Bill

**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn October 28, 2002 before me, Morena G. Pacheco, Notary Public,  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")personally appeared Colin Bill  
Name(s) of Signer(s)

X personally known to me - OR - \_\_\_ 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

  
Signature of Notary Public

Signed:

Date:

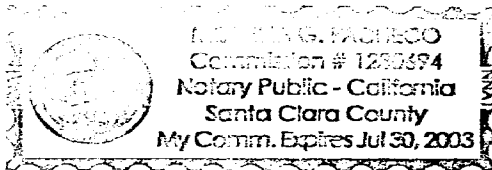
Tzu Ning Fang      10/28/2002  
Tzu Ning Fang

**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn October 28, 2002 before me, Morona G. Pacheco, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")Personally appeared Tzu-Ning Fang  
Name(s) of Signer(s)

\_\_\_ personally known to me - OR - \_\_\_ 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 she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.


WITNESS my hand and official seal.

Morona G. Pacheco  
Signature of Notary Public



Signed:

Date:

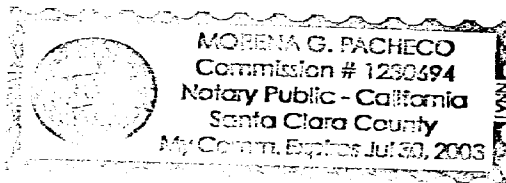
  
Zhida Lan

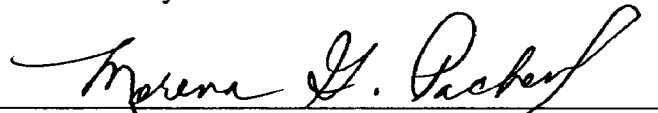
Oct. 28, 2002

**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn October 28, 2002 before me, Morena G. Pacheco, Notary Public,  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")Personally appeared Zhida Lan  
Name(s) of Signer(s)

\_\_\_ personally known to me - OR - \_\_\_ 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



  
Signature of Notary Public