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102719114

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Colin Bill  
Michael A. VanBuskirk  
Tzu-Ning Fang

## 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) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: March 24, 2004 and March 25, 2003

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

3-24-04

If this document is being filed together with a new application, the execution date of the application is: 3-25-04

A. Patent Application No.(s)

B. Patent No.(s)

10817186

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Himanshu S. Amin

Internal Address: \_\_\_\_\_

Amin &amp; 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

(Attach duplicate copy of this page if paying by deposit account)

## DO NOT USE THIS SPACE

## 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

April 2, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 5

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

04/09/2004 LMUELLER 00000123 501063 10817186

01 FC:8021

40.00 DA

PATENT  
REEL: 015187 FRAME: 0652

ASSIGNMENT

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

Colin Bill  
1384 Rosegarden Lane  
Cupertino, California 95014

Michael A. VanBuskirk  
18653 Vessing Road  
Saratoga, California 95070

Tzu-Ning Fang  
465 San Antonio Road  
Palo Alto, California 94306

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

**USING ORGANIC SEMICONDUCTOR MEMORY IN CONJUNCTION WITH A  
MEMS ACTUATOR FOR AN ULTRA HIGH DENSITY MEMORY**

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.

Signed:

Date:

Colin Bill  
Colin Bill

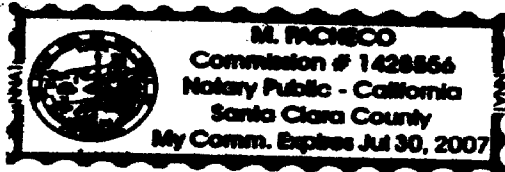
3/25/04

**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn March 25, 2004 before me, M. Pacheco, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")personally appeared Colin Bill  
Name(s) of Signer(s)

\_\_\_ personally known to me - OR - X 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.

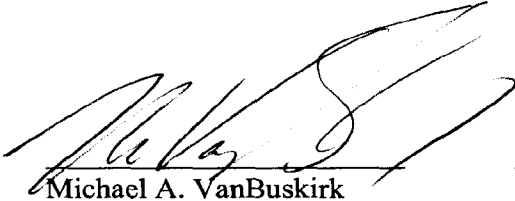
WITNESS my hand and official seal.

M. Pacheco  
Signature of Notary Public



Signed:


Date:

  
Michael A. VanBuskirk3/25/2004**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn March 25, 2004 before me, M. Pacheco, Notary Public,  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")personally appeared Michael A. VanBuskirk  
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

Signed:

Date:

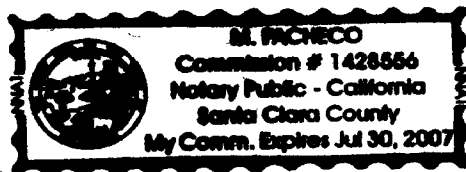
Tzu-Ning Fang  
Tzu-Ning Fang

03/24/2004

**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn March 24, 2004 before me, M. 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 - ~~X~~ 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 ~~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.



M. Pacheco  
Signature of Notary Public