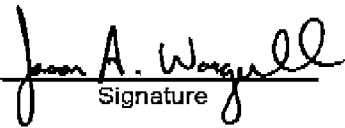


Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005)		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
				Docket No. H0599	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): Ashot Melik-Martirosian Mark W. Randolph Sameer S. Haddad Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: OH Zip: 94088-3453 Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ February 14, 2003 Execution Date: _____					
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: _____ A. Patent Application No.(s) 10/430,604 _____ _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Jason A. Worgull Internal Address: _____ Renner, Otto, Boisselle & Sklar, LLP _____ Street Address: 1621 Euclid Avenue Nineteenth Floor City: Cleveland State: OH Zip: 44115			6. Total number of applications and patents involved: <input checked="" type="checkbox"/> 1 7. Total fee (37 CFR 3.41).....\$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 18-0988		
DO NOT USE THIS SPACE					
9. Signature. Jason A. Worgull, Reg. No. 48,044 Name of Person Signing Signature:  Date: May 21, 2003 Total number of pages including cover sheet, attachments, and documents: <input checked="" type="checkbox"/> 4					

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

700031138

PATENT
REEL: 013672 FRAME: 0907

AMD Docket No. H0599

ASSIGNMENT

For good and valuable consideration, receipt and sufficiency of which are hereby acknowledged, the undersigned

Ashot Melik-Martirosian, 1550 Vista Club Cir #20, Santa Clara, CA 95054
Mark W. Randolph, 3673 Kendra Wy, San Jose, CA 95130
Sameer S. Haddad, 6277 Blossom Avenue, San Jose, CA 95123

hereby sell(s) and assign(s) 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

MEMORY DEVICE WITH REDUCED OPERATING VOLTAGE HAVING DIELECTRIC STACK

for which application for United States Letters Patent has been filed on MAY 6, 2003 under Serial No. 10/430,604, or was executed by the undersigned on the date below and is being filed concurrently herewith, said application for United States Letters Patent, and all United States provisional patent applications on which priority is claimed, including but not limited to, application Serial No. _____, filed on _____, 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,

AMD Docket No. H0599

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.

I authorize the patent attorney of record and/or having power of attorney in the U.S. patent application identified above to insert the serial number and filing date information for the patent application in the appropriate spaces in this assignment document when that information becomes available.

Signed:

Date:

Ashot Melik-Martirosian
Ashot Melik-Martirosian

02.14.2003

Mark W. Randolph
Mark W. Randolph

Feb 14, 2003

Sameer S. Haddad
Sameer S. Haddad

Feb 19, 2003

CERTIFICATE OF ACKNOWLEDGMENT

State of California

County of Santa Clara

On Feb. 14, 2003 before me, Morena G. Pacheco, Notary Public

personally appeared Ashot Melik-Martirosian
Name and Title of Officer (e.g., "Jane Doe, Notary Public")
Name(s) of Signer(s)

☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



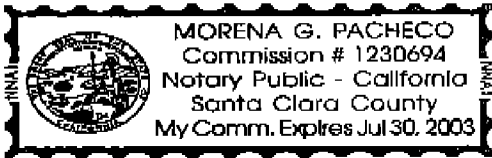
WITNESS my hand and official seal

Morena G. Pacheco
Signature of Notary Public

AMD Docket No. H0599

CERTIFICATE OF ACKNOWLEDGMENT

State of California
County of Santa Clara
On February 14, 2003 before me, Morena G. Pacheco, Notary Public
personally appeared Mark W. Randolph
Name and Title of Officer (e.g., "Jane Doe, Notary Public")
Name(s) of Signer(s)

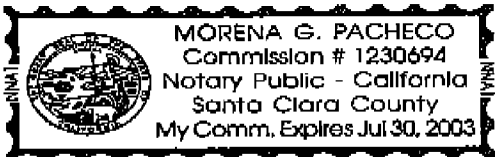


☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) 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 of Notary Public

CERTIFICATE OF ACKNOWLEDGMENT

State of California
County of Santa Clara
On Feb. 14, 2003 before me, Morena G. Pacheco, Notary Public
personally appeared Barneer Haddad
Name and Title of Officer (e.g., "Jane Doe, Notary Public")
Name(s) of Signer(s)



☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their 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 of Notary Public