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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): 5584 Thomas H. Hamilton Additional name(s) of conveying party(ies) attached? [] Yes [x] No

2. Name and address of receiving party(ies) Name: ADVANCED MICRO DEVICES, INC. Internal Address: Street Address: PO BOX 3453 ONE AMD PLACE City: SUNNYVALE State: CA Zip: 94088-3553 Additional name(s) & address(es) attached? [] Yes [x] No

19270 U.S. PTO 10/839072



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3. Nature of conveyance: [x] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: 4/13/2004

4. Application number(s) or patent number(s): 10839072 If this document is being filed together with a new application, the execution date of the application is: 4/13/2004 A. Patent Application No.(s) Att'y Dkt. No.: 1458-TT5571 B. Patent No.(s) Additional numbers attached? [] Yes [x] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Paul J. Polansky Internal Address: TOLER, LARSON & ABEL, LLP P.O. Box 29567 Street Address: 5000 Plaza on the Lake Suite 265 City: Austin State: TX Zip: 78746

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$40.00 [] Enclosed [x] Authorized to be charged to deposit account 8. Deposit account number: 01-0365

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9. Signature. Paul J. Polansky, Reg. No. 33,992 Name of Person Signing Paul J. Polansky Signature 4/15/04 Date

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Total number of pages including cover sheet, attachments, and documents: 3

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

PATENT REEL: 015305 FRAME: 0947

ASSIGNMENT OF INVENTION

For good and valuable consideration, the receipt of which is hereby acknowledged,
I, an ASSIGNOR named below,

Thomas H. Hamilton of Manor, TX

hereby sell, assign and transfer to

ASSIGNEE: ADVANCED MICRO DEVICES, INC., having a place of business
 at One AMD Place, Sunnyvale, CA 94088-3453,

its successors, assigns and legal representatives, my entire right, title and interest throughout
the world, including all rights to claim priority, in and to the invention(s) disclosed in:

- U.S. Patent Application executed on or about the date of this Assignment,
- U.S. Patent Application executed on _____, or
- U.S. Provisional Application
- U.S. Application No.: _____, filed on _____
- International Application No.: PCT/_____, filed on _____

ENTITLED: **EFFICIENT MEMORY CHECK ARCHITECTURE AND
 METHOD**, and naming as

INVENTOR(S): Thomas H. Hamilton

including without limitation, my entire right, title and interest in and to any and all United
States and foreign applications (including international, regional and foreign national
applications) for said invention(s), including divisions, continuations, continuations-in-part,
renewals, substitutes and extensions thereof, and in and to any and all patents of every
country or region that may be granted or have been granted for said invention(s), including
any reissues and reexaminations thereof.

To comply with 37 C.F.R. § 3.21 for recording this Assignment, I authorize and request that
the application number and filing date be inserted here, if not already shown above,
(____/_____, filed _____) when they become known.

I authorize ASSIGNEE to apply for patents of foreign countries for said invention(s), and to
claim all rights of priority without further authorization from me.

I agree to execute any and all papers useful in connection with any and all United States and
foreign applications (including international, regional, and foreign national applications), and
generally to do everything possible to aid ASSIGNEE, its successors, assigns and nominees,
at their request and reasonable expense, in obtaining and enforcing patents for said
invention(s) in all countries.

I hereby covenant that no assignment, sale, license, agreement, or encumbrance has been or
will be made or entered into that would conflict with this Assignment.

I authorize and request the Commissioner of Patents and Trademarks to issue any U.S.
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assigns.


Executed on 4-13, 2004 by Thomas H. Hamilton
Thomas H. Hamilton

----- Notary Use Below -----

State of Texas
County of TRAVIS

On April 13, 2004, Thomas H. Hamilton, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to within this instrument, personally appeared before me and acknowledged to me that he/she executed this instrument in his/her authorized capacity, and that by his/her signature, he/she or the entity upon behalf of which he/she acted, executed the instrument.

WITNESS my hand and official seal.

 Donna Thomas
Notary Public, State of Texas
My Commission Expires
JANUARY 26, 2005
Signature of Notary