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To the Honorable Commissioner of Patents and Trademarks

1 copy thereof.

1-4-99

1. Name of conveying party(ies):

Alfred C. Hartmann

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

City SUNNYVALE State CA ZIP 94088-3453

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

JC525 U.S. PTO  
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3. Nature of Conveyance:

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

Execution Date: 12/14/98

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: 12/11/98

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name Mark Zagorin  
 Internal Address: Zagorin, O'Brien & Graham, L.L.P.  
 Street Address: 1120 S. Capital of Texas Hwy., Bldg. 3, Suite 208  
 City AUSTIN State TX ZIP 78746

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): .....\$ 40.00

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8. 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.

Mark Zagorin, Reg. No. 36,067  
Name of Person Signing

Mark Zagorin  
Signature

1/4/99  
Date

Total number of pages comprising cover sheet: 3

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PATENT  
REEL: 9698 FRAME: 0630

**ASSIGNMENT OF INVENTION**

For good and valuable consideration, the receipt of which is hereby acknowledged,

Each ASSIGNOR: Alfred C. Hartmann of Round Rock, Texas

hereby sells, assigns and transfers to

ASSIGNEE: Advanced Micro Devices, Inc., a Delaware Corporation, having a place of business at One AMD Place, P.O. Box 3453, Sunnyvale, CA 94088.

its successors, assigns and legal representatives, the entire right, title and interest throughout the world, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

**A BANK HISTORY TABLE FOR IMPROVED PRE-CHARGE SCHEDULING OF RANDOM ACCESS MEMORY BANKS**

the disclosure of which is found in:

- U.S. patent application executed on or about the date of this assignment
- U.S. patent application executed on \_\_\_\_\_
- U.S. provisional application naming each ASSIGNOR above as an inventor for the above-entitled invention
- U.S. Application No. \_\_\_\_\_, filed on \_\_\_\_\_

and in any and all patent applications of every country for said invention, including any and all divisions, continuations, and continuations-in-part, renewal, substitutes, and extensions thereof, and in and to any and all patents of every country which may be granted or have been granted for said invention, including any reissues and reexaminations thereof.

To comply with 37 C.F.R. § 3.21 for recording this assignment, each ASSIGNOR authorizes and requests the application number and filing date, if not already shown, be inserted above when they become known.

Each ASSIGNOR authorizes ASSIGNEE to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from ASSIGNOR.

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

Each ASSIGNOR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment.

Each ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue any U.S. Letters Patent which may be granted for said invention to ASSIGNEE, its successors and assigns.

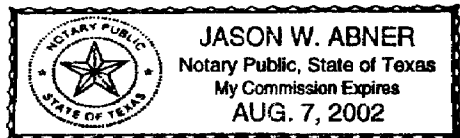
Executed on 14 DEC., 1998.

Alfred C. Hartmann  
Alfred C. Hartmann

State of Texas  
County of Travis

On 14 DEC., 1998 before me personally appeared Alfred C. Hartmann 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/she executed the same in his/her authorized capacity, and that by his/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.



Jason W. Abner  
SIGNATURE OF NOTARY