

06-03-1999



FORM PTO-1596

1-31-92

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Docket No.: 50100-802

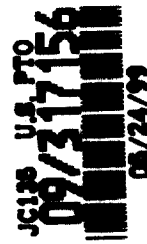
101053850  
PATENTS ONLY

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

Handwritten: 5-24-99

1. Name of Conveying Parties:  
Ching YU, Xiaohua ZHUANG, Bahadir ERIMLI, John M. CHIANG, Shashank MERCHANT, Robert WILLIAMS, Edward YANG, Chandan EGBERT, Vallath NANDAKUMAR, Ian LAM, and Eric Tsin-Ho LEUNG

2. Name and address of receiving party:  
Name: Advanced Micro Devices, Inc.  
Address: One AMD Place  
P.O. Box 3453  
Sunnyvale, California 94088-3453



Additional name(s) of conveying party(ies) attached?  Yes

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: May 20 and May 19, 1999

Additional name(s) & address(es) attached?  Yes

4. Application number(s) or patent number(s): **09/317,156**  
If the document is being filed together with a new application, the execution date of the application is: May 20 and May 19, 1999

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached?  Yes

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

Name: MCDERMOTT, WILL & EMERY

Internal Address:

Street Address: 600 13<sup>th</sup> Street, N.W.

City: Washington State: DC Zip: 20005

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:  
500417

05/19/99 SHABAZZ 00000084 500417 09317156

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.

Patrick B. Law, 41,549

May 24, 1999

Name and Registration No. of Person Signing

Signature

Date

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

## ASSIGNMENT

WHEREAS WE, Ching Yu, Xiaohua Zhuang, Bahadir Erimli, John M. Chiang, Shashank Merchant, Robert Williams, Edward Yang, Chandan Egbert, Vallath Nandakumar, Ian Lam and Eric Tsin-Ho Leung of Santa Clara, CA 95051 Santa Clara, CA 95051 Campbell, CA 95008 San Jose, CA 95131, Sunnyvale, CA 94089, Cupertino, CA 95014, San Jose, CA 95117, San Jose, CA 95132, Campbell, CA 95008, Daly City, CA 94015 and San Jose, CA 95131, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitle APPARATUS AND METHOD FOR PROGRAMMABLE MEMORY ACCESS SLOT ASSIGNMENT , executed by us on the date of execution of this document, as shown below, and filed concurrently herewith;

OR

for which an application for United States Letters Patent was filed on \_\_\_\_\_, and identified by United States Serial No. \_\_\_\_\_;

AND WHEREAS, Advanced Micro Devices, Inc., a corporation of the State of Delaware and having an address of One AMD Place, P. O. Box 3453, Sunnyvale, California 94088-3453 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto Advanced Micro Devices, Inc., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND We request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Advanced Micro Devices, Inc., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

Date May 20, 1999

Ching Yu  
Ching Yu

Date May 20, 1999

Xiaohua Zhuang  
Xiaohua Zhuang

Date May 19, 1999

Bahadır Erimli  
Bahadır Erimli

Date 5/19/1999

John M. Chiang  
John M. Chiang

Date 5/20/99

S. C. Merchant  
Shashank Merchant

Date 5/19/99

Robert Alan Williams  
Robert Williams

Date 5-20-99

Edward Yang  
Edward Yang

Date 5/20/99

Chandan Egbert  
Chandan Egbert

Date May 20, 1999

Vallath Nandakumar  
Vallath Nandakumar

Date 5-20-99

Iam Lam  
Iam Lam

Date 5-20-99

Eric Tsin-Ho Leung  
Eric Tsin-Ho Leung

STATE OF CALIFORNIA )  
 ) SS:  
COUNTY OF Santa Clara

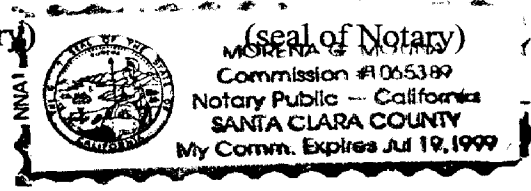
On May 20, 1999 before me, Morena G. Molina, Notary  
personally appeared Ching Yu

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. Molina (signature of Notary)

My commission expires July 19, 1999.



STATE OF CALIFORNIA )  
 ) SS:  
COUNTY OF Santa Clara

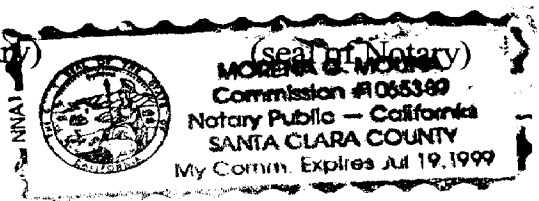
On May 20, 1999 before me, Morena G. Molina, Notary  
personally appeared Xiaohua Zhuang

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. Molina (signature of Notary)

My commission expires July 19, 1999.



STATE OF CALIFORNIA )  
 ) SS:  
COUNTY OF Santa Clara

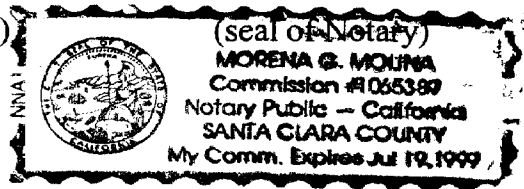
On May 19, 1999 before me, Morena G. Molina, Notary Public  
personally appeared Bahadir Erimli

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. Molina (signature of Notary)

My commission expires July 19, 1999.



STATE OF CALIFORNIA )

COUNTY OF Santa Clara ) SS:

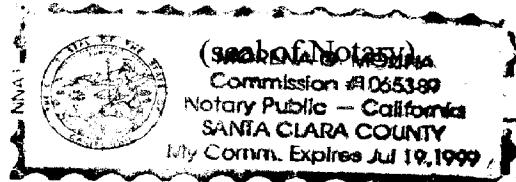
On May 19, 1999. before me, Morena G. Molina, Notary Public,  
personally appeared John M. Chiang

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. Molina (signature of Notary)

My commission expires July 19, 1999.



STATE OF CALIFORNIA )

COUNTY OF Santa Clara ) SS:

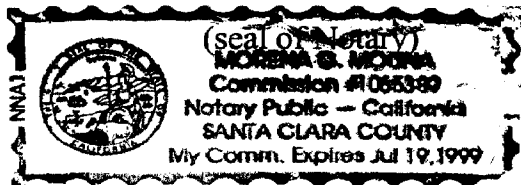
On May 20, 1999 before me, Morena G. Molina, Notary  
personally appeared Shashank Merchant

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. Molina (signature of Notary)

My commission expires July 19, 1999.

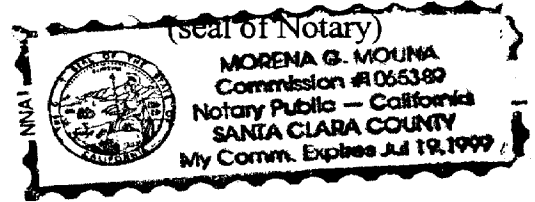


STATE OF CALIFORNIA )  
 ) SS:  
COUNTY OF Santa Clara

On May 19, 1999 before me, Morena G. Molina, Notary Public  
personally appeared Robert Williams  
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. Molina (signature of Notary)

My commission expires July 19, 1999

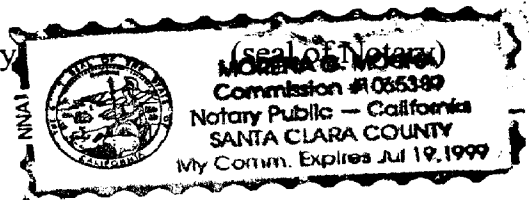


STATE OF CALIFORNIA )  
 ) SS:  
COUNTY OF Santa Clara

On May 20, 1999 before me, Morena G. Molina, Notary  
personally appeared Edward Yang  
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. Molina (signature of Notary)

My commission expires July 19, 1999



STATE OF CALIFORNIA )  
 ) SS:  
COUNTY OF Santa Clara

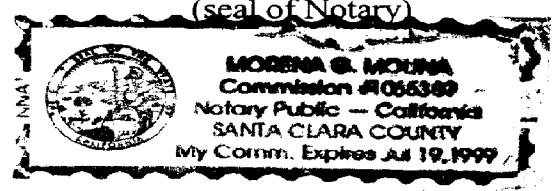
On May 20, 1999 before me, Morena G. Molina, Notary  
personally appeared Chandan Egbert  
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s)  
whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they  
executed the 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. Molina (signature of Notary)

(seal of Notary)

My commission expires July 19, 1999



STATE OF CALIFORNIA )

COUNTY OF Santa Clara ) SS:

On May 20, 1999 before me, Morena G. Molina, Notary,  
personally appeared Vallath Nandakumar

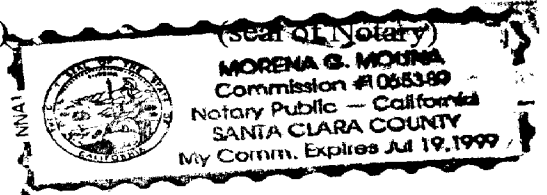
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the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

(seal of Notary)

My commission expires July 19, 1999



STATE OF CALIFORNIA )

COUNTY OF Santa Clara ) SS:

On May 20, 1999 before me, Morena G. Molina, Notary,  
personally appeared Ian Lam

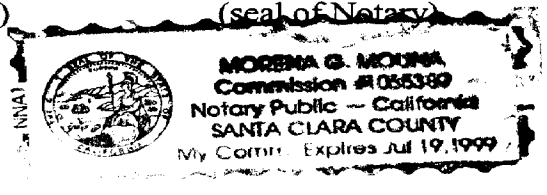
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the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

(seal of Notary)

My commission expires July 19, 1999



STATE OF CALIFORNIA )  
 ) SS:  
COUNTY OF Santa Clara

On May 20, 1999 before me, Morena G. Molina, Notary,  
personally appeared Eric Tsin-Ho Leung  
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. Molina (signature of Notary)

My commission expires July 19, 1999

