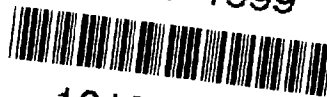


05-24-1999



101043998

FORM PTO-1596  
1-31-92

RECORDATION

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No.: 52352-197

PATENTS ONLY

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

## 1. Name of Conveying Party(ies):

Hao FANG, Massaki HIGASHITANI, and Narbeh  
DERHACOBIANAdditional name(s) of conveying party(ies) attached? ☐ Yes

## 3. Nature of Conveyance:

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

Execution Date: May 4, May 7, and May 7, 1999  
(respectively)

## 2. Name and address of receiving party(ies):

Name: Advanced Micro Devices, Inc.

Address: One AMD Place, P.O. Box 3453

Sunnyvale, California 94088-3453

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

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

If the document is being filed together with a new application, the execution date of the application is: May 4, May 7, and May 7, 1999 (respectively)

## A. Patent Application No(s).

09/309994

## 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 &amp; 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

05/21/1999 JSHABAZZ 00000221 500417 09309994

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40.00 CH

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## 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.*

Michael A. Messina, 33,424

*Michael A. Messina*

May 11, 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)

10376 U.S. PTO  
09/309994  
05/11/99

A S S I G N M E N T

WHEREAS WE, HAO FANG, MASSAKI HIGASHITANI, NARBEH DERHACOBIAN of Cupertino, CA, Sunnyvale, CA, and Belmont, CA, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled IMPROVED CORE FIELD ISOLATION FOR A NAND FLASH MEMORY, executed by us on the date of execution of this document, as shown below, and filed concurrently herewith;

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 and Fujitsu Ltd., having an address of 1-1, Kamikodanaka, 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa, 211-88, Japan are desirous of jointly 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;

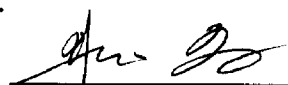
NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto Advanced Micro Devices, Inc., its legal representatives, successors, and assigns, and Fujitsu Ltd., its legal representatives, successors, and assigns, jointly, 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 assignees 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 assignees, execute such additional assignments and other writings and do such additional acts as said assignees may deem necessary or desirable to perfect the assignees' 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 assignors and assignees;

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, and Fujitsu Ltd., its legal representatives, successors or assigns as the joint owners of the entire right, title and interest in and to said patent and the invention covered thereby.

5/4/99

Date

  
Hao Fang

5/7/99

Date

  
Massaki Higashitani

5/7/99

Date

  
Narbeh Derhacobian

Date

STATE OF CALIFORNIA )

COUNTY OF Santa Clara ) SS:

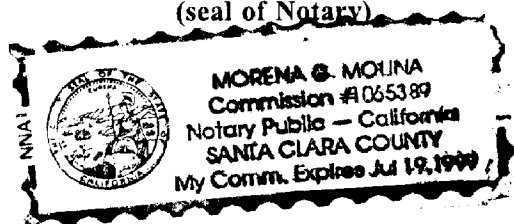
On May 4, 1999 before me, Morena G. Molina, Notary Public,  
personally appeared Hao Fang  
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the 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.

(seal of Notary)



STATE OF CALIFORNIA )

COUNTY OF Santa Clara ) SS:

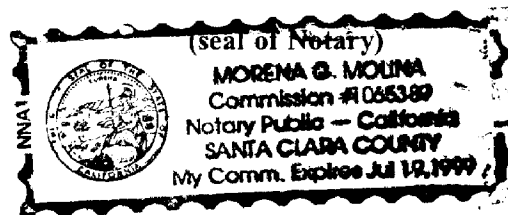
On May 7, 1999 before me, Morena G. Molina, Notary Public,  
personally appeared Massaki Higashitani  
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they 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

(seal of Notary)



STATE OF CALIFORNIA )

COUNTY OF Santa Clara ) SS:

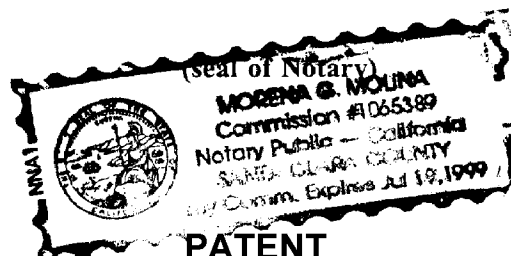
On May 7, 1999 before me, Morena G. Molina, Notary Public,  
personally appeared Narbeh Derhacobian  
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed 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.

(seal of Notary)



PATENT

RECORDED: 05/11/1999

REEL: 009961 FRAME: 0393