

09-22-2000

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101467945

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

1. Name of conveying party(ies):
Narbeh Derhacobian; Michael Van Buskirk;
Chi Chang; Daniel Sobek

Additional name(s) of conveying party(ies) attached? Yes No

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 No

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Name

Other _____

Execution Date: 7-6-2000; 7-7-2000; 8-25-2000; 8-30-2000

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

A. Patent Application No.: Unknown

Title: USING A NEGATIVE GATE ERASE
VOLTAGE APPLIED IN STEPS OF DECREASING
AMOUNTS TO REDUCE ERASE TIME FOR A
NON-VOLATILE MEMORY CELL WITH AN
OXIDE-NITRIDE-OXIDE (ONO) STRUCTURE

Filed Date: Herewith

B. Patent No(s):

09657143

Additional numbers attached? Yes No

If this document is being filed together with a new application, the execution date of the application is: 7-6-00; 7-7-20;
8-25-20; 8-30-2000

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

Name: Thomas A. Ward, Esq.

Address: Fliesler, Dubb, Meyer & Lovejoy

Four Embarcadero Center, Suite 400

San Francisco, CA 94111

Telephone: (415) 362-3800

6. Total Number of applications and patents
involved: 1 X \$40.00 each

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

Check Enclosed

8. Fee Authorization. Authorization is given to charge
any additional fees or credit any
overpayment to Deposit Account
No. 06-1325.

Copy. (A duplicate copy of this authorization is
not enclosed.)

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.

Thomas A. Ward
Attorney (Reg. No.: 35,732)

Thomas A. Ward
Signature

September 7, 2000
Date

10. Total number of pages to be recorded: 6 (1 page cover sheet and 5 page document).

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09/18/2000 JARIIS 00000065 09657143
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JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned, (1) Narbeh Derhacobian; (2) Michael Van Buskirk; (3) Chi Chang; and (4) Daniel Sobek; residents of California (hereinafter termed "Inventors"), have invented certain new and useful improvements in:

USING NEGATIVE GATE ERASE VOLTAGE APPLIED IN STEPS OF DECREASING AMOUNTS TO REDUCE ERASE TIME FOR A NON-VOLATILE MEMORY CELL WITH AN OXIDE-NITRIDE-OXIDE (ONO) STRUCTURE

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention.

WHEREAS Advanced Micro Devices, Inc. (hereinafter termed "Assignee"), a corporation of the State of Delaware, having a place of business at One AMD Place, Sunnyvale, State of California, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings,

priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed and delivered this instrument to said Assignee on the date of acknowledgement before the Notary Public as given below.

(1) Chi Chang
Chi Chang

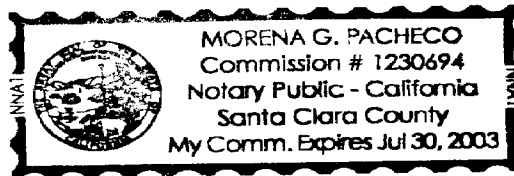
State of California
County of Santa Clara

On August 25, 2000 before me, Morena G. Pacheco, Notary Public
(name and title of officer)

personally appeared Chi Chang, 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.

Signature Morena G. Pacheco



(2) Michael Van Buskirk
Michael Van Buskirk

State of California
County of Santa Clara

On August 30, 2000 before me, Morena G. Pacheco, Notary Public
(name and title of officer)

personally appeared Michael Van Buskirk, 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.

Signature Morena G. Pacheco



(3) *[Signature]*
Daniel Sobek

State of California)

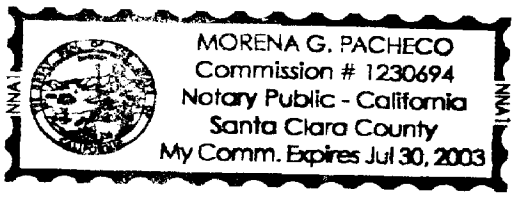
County of Santa Clara)

On July 6, 2000 before me, Morena G. Pacheco, Notary Public
(name and title of officer)

personally appeared Daniel Sobek, 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.

Signature *Morena G. Pacheco*



(4) N.D. Jacobs
Narbeh Derhacobian

State of California

County of Santa Clara

On July 7, 2000 before me, Morena G. Pacheco, Notary Public
(name and title of officer)

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.

Signature Morena G. Pacheco

