

FORM PTO-1595  
(REV 6-93)RECORDATION FORM COVER SHEET  
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

H0671

OMB No. 0651-011 (exp. 4/94)

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

## 1. Name of conveying party(ies):

Minh V. Ngo; Mark T. Ramsbey; Jaeyong Park;  
Jeff P. Erhardt; Clarence B. Ferguson; Robert A. Huertas;  
Tazrien Kamal; Arvind Halliyal; Ning Cheng;  
Jeffrey A. Shields; Angela T. Hui; Tyagamohan GottipatiAdditional name(s) of conveying  
party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: 11/21;11/25;12/5;12/9;12/13/02;1/8;1/13/03;1/17/03

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

Name: Advanced Micro Devices, Inc.

Internal Address: \_\_\_\_\_

Street Address: One AMD Place

P.O. Box 3453

City: Sunnyvale

State/Country: CA ZIP: 94088

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

## 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: \_\_\_\_\_

A. Patent Application No.(s)

10/358,589

B. Patent No.(s)

Additional Numbers attached? ☐ Yes ☒ No5. Name and address of party to whom  
correspondence concerning document  
should be mailed:

Name: Thomas W. Adams

Internal Address: Renner, Otto, Boisselle &amp; Sklar LLP

Street Address: 1621 Euclid Avenue

19th Floor

City: Cleveland

State: Ohio ZIP: 44115

## 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:

18-0988

(Attach duplicate copy of this page if paying by deposit account)

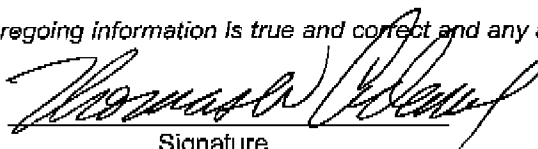
DO NOT USE THIS SPACE

## 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.*

Thomas W. Adams

Name of Person Signing



Signature

01/30/04

Date

Reg. No. 35,047 Total number of pages including cover sheet attachments, and document: [ 10 ]

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents &amp; Trademarks, Box Assignments

Washington, D.C. 20231

PATENT

REEL: 014293 FRAME: 0155

700063362

CH \$40.00 180988 10358589

AMD Docket No. H-671

---

**ASSIGNMENT**

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

Minh V. Ngo  
40986 Canyon Heights Dr.  
Fremont, CA 94539

Tazrien Kamal  
390 Elan Village Ln., #304  
San Jose, CA 95134

Mark T. Ramsbey  
402 Cumulus Avenue  
Sunnyvale, CA 94087

Arvind Halliyal  
20679 Shelly Drive  
Cupertino, CA 95014

Jaeyong Park  
1069 Greco Ave., #B-213  
Sunnyvale, CA 94087

Ning Cheng  
10210 Parkwood Drive, #6  
Cupertino, CA 95014

Jeff P. Erhardt  
4355 Renaissance Dr., #112  
San Jose, CA 95134

Jeffrey A. Shields  
445 Kenmore Avenue  
Sunnyvale, CA 94086

Clarence B. Ferguson  
6023 Buffett Pl.  
San Jose, CA 95123

Angela T. Hui  
362 Pilgrim Loop  
Fremont, CA 94539

Robert A. Huertas  
975 Matador Drive  
Hollister, CA 95023

Tyagamohan Gottipati  
474 Senna Court  
Sunnyvale, CA 94086

hereby sell and assign to ADVANCED MICRO DEVICES, INC., a corporation of Delaware having a place of business at One AMD Place, P.O. Box 3453, Sunnyvale, California 94088-3453, U.S.A., its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries, in and to the inventions entitled

**UV-BLOCKING LAYER FOR REDUCING UV-INDUCED CHARGING OF SONOS  
DUAL-BIT FLASH MEMORY DEVICES IN BEOL PROCESSING**

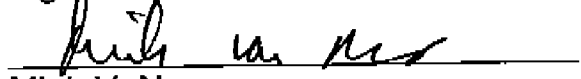
for which application for United States Letters Patent has been filed on 05 FEB. 2003  
under Serial No. 10/358,589, or was executed by the undersigned on the date  
below and is being filed concurrently herewith, said application for United States Letters  
Patent, any and all other applications for Letters Patent on said inventions in countries


AMD Docket No. H-671


foreign to the United States, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said applications and said Letters Patent; said assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said assignee or otherwise as said assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments being hereby authorized to issue or transfer all said Letters Patent to said assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right heretofore given, and that the undersigned will do all acts reasonably serving to assure that said inventions, patent applications and Letters Patent shall be held and enjoyed by said assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said assignee, to furnish said assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said inventions, and to testify in any proceedings relating to said inventions, patent applications and Letters Patent.


I authorize the patent attorney of record and/or having power of attorney in the U.S. patent application identified above to insert the serial number and filing date information for the patent application in the appropriate spaces in this assignment document when that information becomes available.

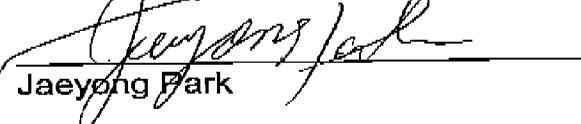
Signed:

  
Minh V. Ngo

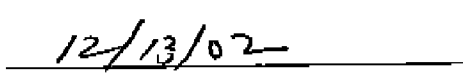
  
Tazrien Kamal

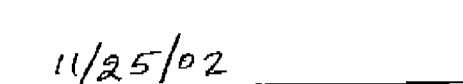
  
Mark T. Ramsbey

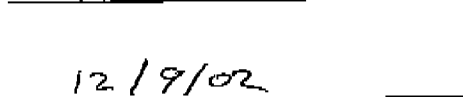
  
Arvind Halliyal

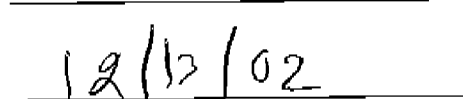
  
Jaeyong Park

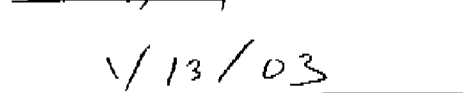
Date:

  
12/13/02

  
11/25/02

  
12/19/02

  
12/12/02

  
1/13/03

AMD Docket No. H-671

Ning Cheng  
Ning Cheng

11/13/03

Jeff P. Erhardt  
Jeff P. Erhardt

12/5/02

Clarence B. Ferguson  
Clarence B. Ferguson

12/5/02

Jeffrey A. Shields  
Jeffrey A. Shields

11/25/02

Angela T. Hui  
Angela T. Hui

1/08/03

Robert A. Huertas  
Robert A. Huertas

11/21/02

Tyagamohan Gottipati  
Tyagamohan Gottipati

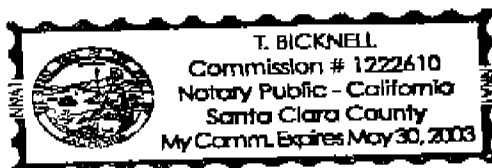
01/17/03

**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn Dec 13, 2002 before me, T Bicknell Notary Public

Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Minh V. Ngo

Name(s) of Signer(s)



☐ 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.

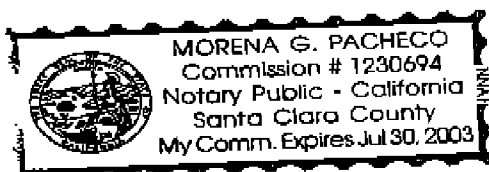
WITNESS my hand and official seal.

Signature of Notary Public

AMD Docket No. H-671

**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn Jan. 13, 2003 before me, Morena G. Pacheco, Notary Public,  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")  
personally appeared Taeyong Park  
Name(s) of Signer(s)

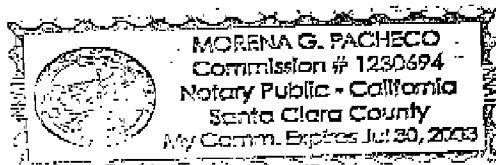
☐ personally known to me - OR - ☒ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) 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. Pacheco  
Signature of Notary Public
**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn Nov. 25, 2003 before me, Morena G. Pacheco, Notary Public,  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")  
personally appeared Tazrien Ramal  
Name(s) of Signer(s)

☐ 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. Pacheco  
Signature of Notary Public

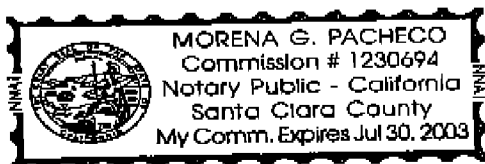
AMD Docket No. H-671

**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn Dec. 9, 2002 before me, Morena G. Pacheco, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")personally appeared Mark T. Ramsbey  
Name(s) of Signer(s)

☐ 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.

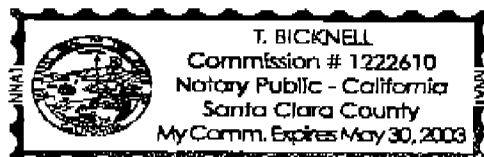
Morena G. Pacheco  
Signature of Notary Public

**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn Dec. 13, 2002 before me, T. Bicknell, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")personally appeared Arvind Halliyal  
Name(s) of Signer(s)

☐ 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.

T. Bicknell  
Signature of Notary Public



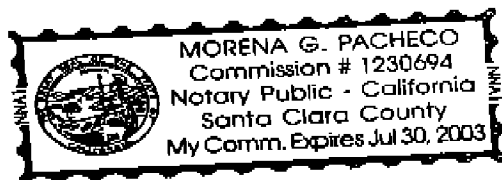
PATENT

AMD Docket No. H-671

**CERTIFICATE OF ACKNOWLEDGMENT**

State of California  
County of Santa Clara  
On Jan. 13, 2003 before me, Morena G. Pacheco, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")  
personally appeared Ning Cheng  
Name(s) of Signer(s)

☐ 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. Pacheco  
Signature of Notary Public

**CERTIFICATE OF ACKNOWLEDGMENT**

State of California  
County of Santa Clara  
On Dec. 5, 2002 before me, Morena G. Pacheco, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")  
personally appeared Jeff P. Erhardt  
Name(s) of Signer(s)

☐ 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. Pacheco  
Signature of Notary Public



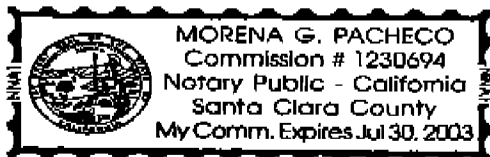
PATENT

AMD Docket No. H-671

**CERTIFICATE OF ACKNOWLEDGMENT**

State of California  
County of Santa Clara  
On Dec. 5, 2002 before me, Morena G. Pacheco, Notary Public,  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")  
personally appeared Clarence B. Ferguson  
Name(s) of Signer(s)

☐ 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.



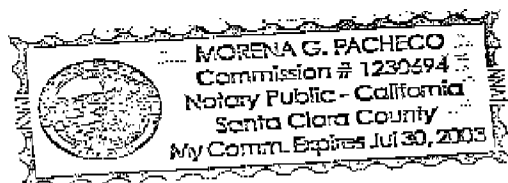
WITNESS my hand and official seal.

Morena G. Pacheco  
Signature of Notary Public

**CERTIFICATE OF ACKNOWLEDGMENT**

State of California  
County of Santa Clara  
On Nov. 25, 2002 before me, Morena G. Pacheco, Notary Public,  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")  
personally appeared Jeffrey A. Shields  
Name(s) of Signer(s)

☒ 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. Pacheco  
Signature of Notary Public

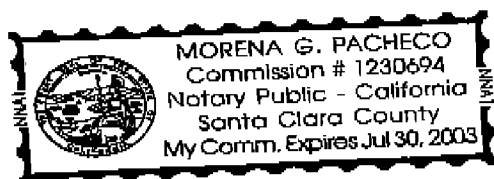
PATENT



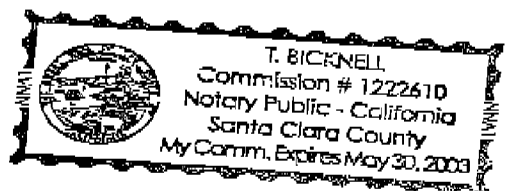
AMD Docket No. H-671

**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn January 8, 2003 before me, Morena G. Pacheco, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")  
personally appeared Angela Hui  
Name(s) of Signer(s)

☐ 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. Pacheco  
Signature of Notary Public
**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn Nw. 21, 2002 before me, T. Bicknell, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")  
personally appeared Robert A. Auerbach  
Name(s) of Signer(s)

☐ 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.

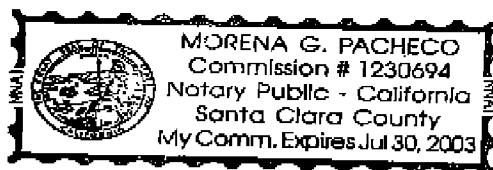
T. Bicknell  
Signature of Notary Public

PATENT

AMD Docket No. H-671

**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn Jan. 17, 2003 before me, Morena G. Pacheco, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")personally appeared Tyagamohan Gottipati  
Name(s) of Signer(s)

☐ 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. Pacheco  
Signature of Notary Public