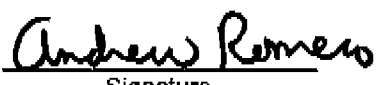


Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)	<b>RECORDATION FORM COVER SHEET</b> <b>PATENTS ONLY</b>	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office  H0685
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): Hiroyuki Kinoshita      John R. Behnke Yu Sun                      Cyrus Tabery Basab Banerjee Christopher M. Foster  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>Advanced Micro Devices, Inc.</u>  Internal Address: <u>One AMD Place</u>  _____  Street Address: <u>P.O. Box 3453</u>  _____  City: <u>Sunnyvale</u> State: <u>CA</u> Zip: <u>94088-3453</u>  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ <u>Kinoshita, Sun and Tabery - 2/13/03;</u> <u>Banerjee and Foster - 2/19/03 and</u> Execution Date: <u>Behnke - 2/20/03.</u>	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) <u>10/382,744</u> _____ B. Patent No.(s) _____ _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: <u>Andrew Romero</u>  Internal Address: _____ <u>Renner, Otto, Boisselle &amp; Sklar, LLP</u>  _____  Street Address: <u>1621 Euclid Avenue, 19th Floor</u>  _____  City: <u>Cleveland</u> State: <u>OH</u> Zip: <u>44115</u>	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41).....\$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number:  <u>18-0988</u>	
<b>DO NOT USE THIS SPACE</b>		
9. Signature.  <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 30%;"> <u>Andrew Romero, Reg. No. 43,890</u>            Name of Person Signing         </div> <div style="width: 30%; text-align: center;">             Signature         </div> <div style="width: 30%; text-align: right;"> <u>3/26/03</u>            Date         </div> </div> <div style="text-align: right; margin-top: 10px;">         Total number of pages including cover sheet, attachments, and documents: <u>6</u> </div>		

Mail documents to be recorded with required cover sheet information to:  
 Commissioner of Patents & Trademarks, Box Assignments  
 Washington, D.C. 20231

AMD Docket No. H0685**ASSIGNMENT**

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

Hiroyuki Kinoshita  
1325 Yarmouth Terrace  
Sunnyvale, California 94087 USA  
Citizenship: Japan

Yu Sun  
20395 Glasgow Drive  
Saratoga, California 95070 USA  
Citizenship: USA

Basab Banerjee  
5911 Lonesome Valley Trail  
Austin, Texas 78731 USA  
Citizenship: USA

Christopher M. Foster  
9409 Caracas Drive  
Austin, Texas 78733 USA  
Citizenship: USA

John R. Behnke  
2927 Chatelaine Drive  
Austin, Texas 78746 USA  
Citizenship: USA

Cyrus Tabery  
1220 North Fair Oaks, #4102  
Sunnyvale, California 94089 USA  
Citizenship: USA

hereby sell(s) and assign(s) 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

**METHOD OF FORMING CORE AND PERIPHERY GATES INCLUDING  
TWO CRITICAL MASKING STEPS TO FORM A HARD MASK IN A  
CORE REGION THAT INCLUDES A CRITICAL DIMENSION LESS  
THAN ACHIEVABLE AT A RESOLUTION LIMIT OF LITHOGRAPHY**

for which application for United States Letters Patent has been filed on March 5, 2003 under Serial No. 10/382,744, or was executed by the undersigned on the date below and is being filed concurrently herewith, said application for United States Letters Patent, and all United States provisional patent applications on which priority is claimed, including but not limited to, application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_, any and all other applications for Letters Patent on said inventions in countries 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

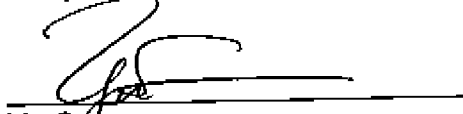

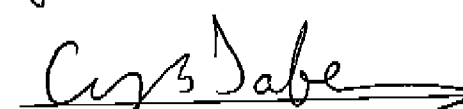
AMD Docket No. H0685

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:

Date:

  
Hiroyuki Kinoshita2-12-03  
Yu Sun2-12-03  
Basab Banerjee2-19-03  
Christopher M. Foster2/19/03  
John R. Behnke2/20/03  
Cyrus Tabery2/12/03

AMD Docket No. H0685**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn Feb. 12, 2003 before me,Morena G. Pacheco, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared

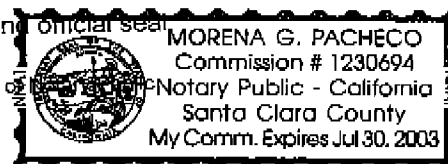
Hiroyuki Kinoshita  
Name(s) of Signer(s)

☒ 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.

Morena G. Pacheco

WITNESS my hand and official seal.

Signature of

**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn Feb. 12, 2003 before me,Morena G. Pacheco, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared

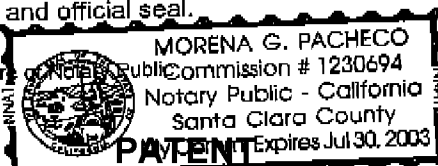
Yu Sun  
Name(s) of Signer(s)

☐ 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.

Morena G. Pacheco

WITNESS my hand and official seal.

Signature of



AMD Docket No. H0685**CERTIFICATE OF ACKNOWLEDGMENT**State of TEXASCounty of TRAVISOn February 19th, 2003 before me,Julia Patrick, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared

BASAB BANERJEE

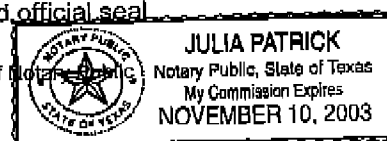
Name(s) of Signer(s)

☒ 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

**CERTIFICATE OF ACKNOWLEDGMENT**State of TexasCounty of TravisOn February 19, 2003 before me,Jesse Gonzales, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")


personally appeared

Christopher M. Foster

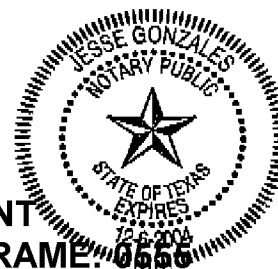
Name(s) of Signer(s)

☐ 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.



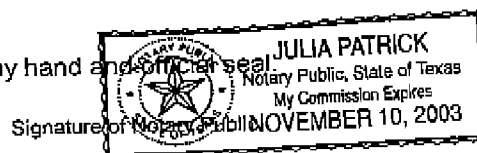
Signature of Notary Public



AMD Docket No. H0685**CERTIFICATE OF ACKNOWLEDGMENT**State of TexasCounty of TravisOn Feb 20th, 2003 before me,Julia Patrick, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")personally appeared John R. Behnke  
Name(s) of Signer(s)

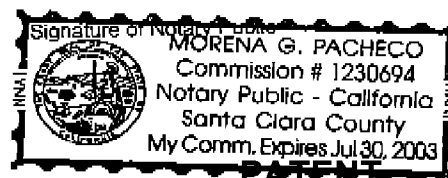
☒ personally known to me - OR - ☐ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s)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

**CERTIFICATE OF ACKNOWLEDGMENT**State of CaliforniaCounty of Santa ClaraOn Feb. 12, 2003 before me,Morena G. Pacheco, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")personally appeared Cyrus Tabery  
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.



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