


Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005)	<b>RECORDATION FORM COVER SHEET</b> <b>PATENTS ONLY</b>	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office  Docket No. H1631
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
<b>1. Name of conveying party(ies):</b> Hung-eil Kim Anna Minvielle Christopher F. Lyons Marina V. Plat Ramkumar Subramanian Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>2. Name and address of receiving party(ies)</b> Name: <u>Advanced Micro Devices, Inc</u> Internal Address: _____ _____ Street Address: <u>One AMD Place</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	
<b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>August 20, 2003</u>		
<b>4. Application number(s) or patent number(s):</b> If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) <u>10/654,739</u> _____ B. Patent No.(s) _____ _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b> Name: <u>Mark D. Saralino</u> Internal Address: _____ <u>Renner, Otto, Boisselle &amp; Sklar, LLP</u> _____ Street Address: <u>1621 Euclid Avenue</u> <u>Nineteenth Floor</u> City: <u>Cleveland</u> State: <u>OH</u> Zip: <u>44115</u>	<b>6. Total number of applications and patents involved:</b> <input type="checkbox"/> <b>7. Total fee (37 CFR 3.41).....\$</b> <u>\$40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <b>8. Deposit account number:</b> <u>18-0988</u>	
<b>DO NOT USE THIS SPACE</b>		
<b>9. Signature.</b> <u>Mark D. Saralino</u> Name of Person Signing		
 Signature		<u>September 19, 2003</u> Date
Total number of pages including cover sheet, attachments, and documents: <input type="checkbox"/>		

CH \$40.00 180988 10654739

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

AMD Docket No. H1631

### ASSIGNMENT

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

Hung-eil Kim  
6564 Danridge Dr.  
San Jose, CA 95129

Marina V. Plat  
4620 Corrida Circle  
San Jose, CA 95129

Anna Minvielle  
5405 Silvervista Way  
San Jose, CA 95138

Ramkumar Subramanian  
1155-D La Rochelle Terr  
Sunnyvale, CA 94089

Christopher F. Lyons  
42681 Lerwick St.  
Fremont, CA 94539

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

### PATTERNING FOR ELONGATED $V_{SS}$ CONTACT ON FLASH MEMORY

for which application for United States Letters Patent has been filed on \_\_\_\_\_ under Serial No. \_\_\_\_\_, 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 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

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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:

Kim Hung-eil  
Hung-eil Kim

Aug. 20, 2003

**CERTIFICATE OF ACKNOWLEDGMENT**

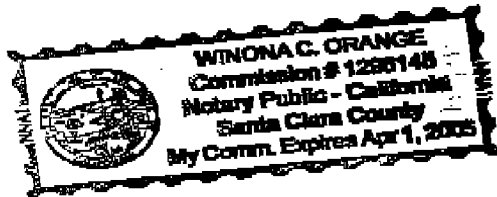
State of California

County of Santa Clara

On August 20, 2003 before me, WINONA C. ORANGE, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Hung-eil Kim  
Name(s) of Signer(s)

~~I 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

Winona C. Orange  
Signature of Notary Public

AMD Docket No. H1631

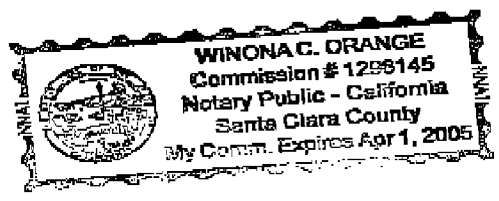
Signed: [Signature] Date: 08/20/03  
Anna Minvielle

**CERTIFICATE OF ACKNOWLEDGMENT**

State of California  
County of Santa Clara

On August 20, 2003 before me, WINONA C. ORANGE, Notary Public  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")  
personally appeared Anna Minvielle  
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/his/their authorized capacity(ies), and that by his/his/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.

Winona C. Orange  
Signature of Notary Public

AMD Docket No. H1631

Signed: [Signature] Date: 8/29/03  
Christopher F. Lyons

**CERTIFICATE OF ACKNOWLEDGMENT**

State of California

County of Santa Clara

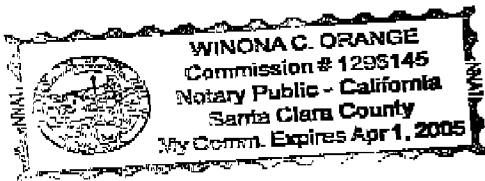
On August 20, 2003 before me, WINONA C. ORAN  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Christopher F. Lyons  
Name(s) of Signer(s)

personally known to me - OR -  approved 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]  
Signature of Notary Public



AMD Docket No. H1631

Signed:

Date:

Marina Plat 08.20.03

Marina V. Plat

**CERTIFICATE OF ACKNOWLEDGMENT**

State of California

County of Santa Clara

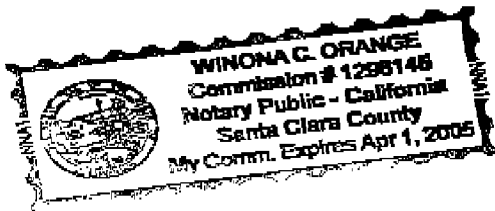
On August 20, 2003 before me, WINONA C. ORANGE, Public,  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Marina V. Plat  
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.

Winona C. Orange  
Signature of Notary Public



AMD Docket No. H1631

Signed: [Signature] Date: 8/20/03  
Ramkumar Subramanian

**CERTIFICATE OF ACKNOWLEDGMENT**

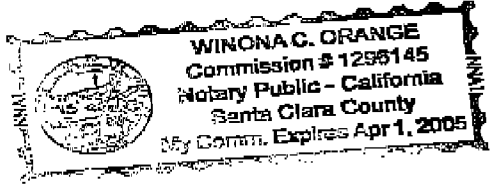
State of California

County of Santa Clara

On August 20, 2003 before me, WINONA C. ORANGE <sup>Notary Public</sup>  
Name and Title of Officer (e.g., "Jane Doe, Notary Public")  
personally appeared Ramkumar Subramanian  
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~~ <sup>are</sup> subscribed to the within instrument and acknowledged to me that ~~he~~ <sup>she</sup> ~~she~~ <sup>they</sup> executed the same in his ~~her~~ <sup>their</sup> authorized capacity ~~(ies)~~, and that by ~~his~~ <sup>her</sup> ~~her~~ <sup>their</sup> 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]  
Signature of Notary Public

LAW OFFICES  
**RENNER, OTTO, BOISSELLE & SKLAR, LLP**  
1621 EUCLID AVENUE, NINETEENTH FLOOR  
CLEVELAND, OHIO 44115-2191  
TEL: (216) 621-1113 FAX: (216) 621-6165  
EMAIL: MAILROOM@RENNEROTTO.COM

September 19, 2003

VIA FACSIMILE

Mail Stop Assignment Recordation Services  
Director of the United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: **Recordal of Assignment for  
U.S. Patent No. 10/654,739  
Our File: H1631**

Gentlemen:

Please record the attached Assignment document with respect to the above U.S. patent, and return same to the undersigned.

We authorize the USPTO to charge the amount of \$40.00 to cover the cost of recordal of the Assignment. Please charge the fee to our Deposit Account No. 10/654,739, Order No. AMDSPH1631US.

Very truly yours,

  
Mark D. Saralino


MDS/et

Enclosures

Z:\SEC154\MDS\AMDS\H1631us\fax assignment.wpd

CERTIFICATE OF TRANSMISSION under 37 CFR 1.8

I hereby certify that this correspondence (along with any paper referenced as being attached or enclosed) is being facsimile transmitted to 703/306-5995 at the U.S. Patent and Trademark Office to the Attention of Mail Stop Assignment Recordation Services on the date below.

  
Mark D. Saralino  
September 19, 2003  
Date