REC U.S. DEPARTMENT OF COMMERCE FORM PTO-1596 Patent and Trademark Office 11-6-98 1-31-92 100877231 Docket No.: 50100-691 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto: 1. Name of Conveying Party(ies): 2. Name and address of receiving party(ies): Advanced Micro Devices, Inc. Simon S. CHAN, Fei WANG, and Todd LUKANC Name: Address: One AMD Place, P.O. Box 3453 Additional name(s) of conveying party(ies) attached? Yes 3. Nature of Conveyance: Sunnyvale, California 94088-3453 X Assignment Merger Security Agreement Change of Name Other **Execution Date:** November 3, 1998 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: November 3, 1998 B. Patent No(s). A. Patent Application No(s). Additional numbers attached? Yes 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 Concerning document should be mailed: 7. Total fee (37 CFR 3.41) Name: MCDERMOTT, WILL & EMERY \$40.00 Enclosed Internal Address: Authorized to be charged to deposit account 99 Canal Center Plaza, Suite 300 Street Address: 8. Deposit account number: 500417 City: Alexandria State: VA Zip: 22314 11/12/1998 DHGUYEN 00000131 500417 09187430 DO NOT USE THIS SPACE 40.00 CH 01 FC:581 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.

John A. Hankins, 32,029

Name and Registration No. of Person Signing

CMB No. 0851-0011 (exp. 4/94)

PATENT REEL: 9572 FRAME: 0947

Total number of pages comprising cover sheet:

November 6, 1998

Date

Docket No.: 50100-691

ASSIGNMENT

WHEREAS WE, Simon S. Chan of Saratoga, CA, Fei Wang of San Jose, CA and Todd Lukanc of San Jose, CA, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled A METHOD OF FORMING A DUAL DAMASCENE TRENCH AND BORDERLESS VIA STRUCTURE.

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 <u>Delaware</u> and having an address of One AMD Place, P. O. Box 3453, Sunnyvale, California 94088-3453 is desirous of 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, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, 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 assignee 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 assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's 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 assignor and assignee;

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, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

| 11/3/98 | Aim A. Me | |
|---------|---------------|-------------|
| Date | Simon S. Chan | |
| 11/3/98 | Reins | |
| Date | Fei Wang | |
| 11-3-98 | Todal Lukane | |
| Date | Todd Lukanc | |

PATENT REEL: 9572 FRAME: 0948

|) cc. |
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| COUNTY OF Santa Clara) SS: |
| On Nov. 3, 1998 before me, Morena G. Molina, Notary Public |
| personally appeared Simon S. Chan |
| personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/ar subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/thei |
| 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. |
| Maren J: Mall |
| (signature of Notary) (sea MARANA NOUNA Commission F1065389 |
| My commission expires 19, 1999. Notary Public - California SANTA CLARA COUNTY |
| Move D. Mod (signature of Notary) (sea MARINAL WOUNA Commission #1065389 Notary Public — Colling SANIA CLARA COUNTY My Comm. Expires Jul 19,1999 |
| STATE OF CALIFORNIA) |
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| COUNTY OF Santa Clara) SS: |
| On Nov. 3, 1998 before me, Morena G. Molina, Notary Public personally appeared Fei Wang |
| personally appeared Fei Wang |
| personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/arr |
| 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 behal |
| of which the person(s) acted, executed the instrument. |
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| WITNESS my hand and official seal. |
| Marina H. Mall (signature of Notary) (seal of Notary) |
| (signature of Notary) (seal of Notary) MORENA G. MOUNA |
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| STATE OF CALIFORNIA) |
| $= \frac{1}{2} \left(\frac{1}{2} \right)$ SS: |
| COUNTY OF <u>Santa Clara</u>) SS: |
| On Nov. 3, 1998 before me, Morena G. Molina, Notary Public personally appeared Todd Lukanc |
| personally appeared Todd Lukanc |
| personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/art |
| 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. |
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| WITNESS my hand and official seal. |
| There is the state of the state |
| My commission expires July 19, 1779. (signature of Notary) MORENA G. MOUNA Commission #1065389 |
| My commission expires 19, 1779. MORENA G. MOUNA |
| Vivy commission expires Commission #1065389 |
| Notary Public — California SANTA CLARA COUNTY |
| My Comm. Expires Jul 19,1999 |

RECORDED: 11/06/1998

PATENT REEL: 9572 FRAME: 0949