

11-29-1999

MRD 11/22/99



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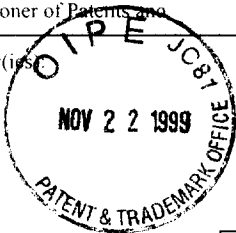
101210337

To the Honorable Commissioner of Patents and Trademarks

ments or copy thereof.

1. Name of conveying party(ies):

James B. Keller  
Puneet Sharma  
Keith R. Schakel  
Francis M. Matus



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

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

Name: Advanced Micro Devices, Inc.

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

Street Address: One AMD Place

City Sunnyvale State CA ZIP 94088

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

3. Nature of Conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other \_\_\_\_\_

Execution Date: 9/30/99, 11/16/99, and 11/12/99

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

If this document is being filed together with a new application, the execution date of this application is: 9/30/99, 11/16/99, and 11/12/99

A. Patent Application No.(s) 09/413,098 filed October 14, 1999

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached?  Yes  No

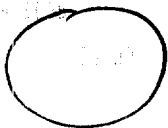
5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Lawrence J. Merkel

Internal Address: Conley, Rose & Tayon, P.C.

Street Address: P.O. Box 398

City Austin State TX ZIP 78767-0398



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: \_\_\_\_\_  
(Attach a 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.*

Lawrence J. Merkel  
Name of Person Signing  
Reg. No. 41,191

Law J. Merkel  
Signature

November 19, 1999  
Date

Total number of pages: 13

**ASSIGNMENT**

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to ADVANCED MICRO DEVICES, INC. (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having its principal place of business at One AMD Place, P.O. Box 3453, Sunnyvale, CA 94088, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled **LINE PREDICTOR OPTIMIZED FOR BRANCHES AND MICROCODE**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assigns.

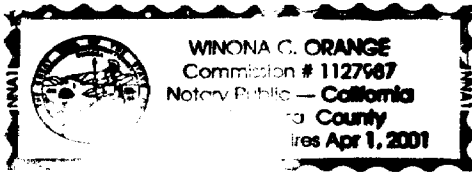
(Signature) [Signature]  
Name: James B. Keller

Date: 9/30/99

STATE OF California §  
                  Santa §  
COUNTY OF CLARA §

BEFORE ME, the undersigned authority, on this 30<sup>th</sup> day of September, 1999, personally appeared JAMES B. KELLER known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

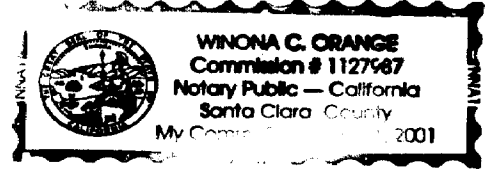
[SEAL]



[Signature]  
Notary or Consular Officer

(Signature) \_\_\_\_\_  
Name: Puneet Sharma

Date: \_\_\_\_\_



STATE OF \_\_\_\_\_ §  
                  \_\_\_\_\_ §  
COUNTY OF \_\_\_\_\_ §

BEFORE ME, the undersigned authority, on this \_\_\_ day of \_\_\_\_\_, 19\_\_\_, personally appeared \_\_\_\_\_ known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]



ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to ADVANCED MICRO DEVICES, INC. (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having its principal place of business at One AMD Place, P.O. Box 3453, Sunnyvale, CA 94088, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled LINE PREDICTOR OPTIMIZED FOR BRANCHES AND MICROCODE, U.S. Serial No. 09/418,098, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assigns.

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_

Name: James B. Keller

STATE OF \_\_\_\_\_ §

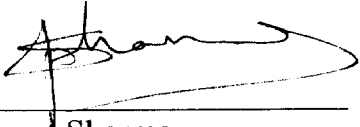
§

COUNTY OF \_\_\_\_\_ §

BEFORE ME, the undersigned authority, on this \_\_\_ day of \_\_\_\_\_, 19\_\_\_, personally appeared \_\_\_\_\_ known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

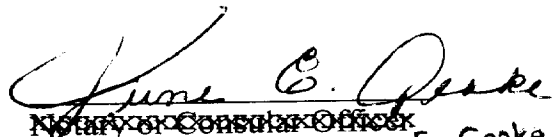


(Signature) \_\_\_\_\_ Date: November 16, 1999

Name: Puneet Sharma

~~STATE OF~~ REPUBLIC OF SINGAPORE )  
~~CITY OF~~ CITY OF SINGAPORE )  
~~COUNTY OF~~ EMBASSY OF THE ) SS:  
UNITED STATES OF AMERICA )

BEFORE ME, the undersigned authority, on this 16th day of November, 1999, personally appeared Puneet Sharma known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/~~she~~ executed the same of his own free will for the purposes and consideration therein expressed.



Notary or Consular Officer

**June E. Geake**  
Vice Consul of the  
United States of America

[SEAL]

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

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AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assigns.

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_

Name: James B. Keller

STATE OF \_\_\_\_\_ §

§

COUNTY OF \_\_\_\_\_ §

BEFORE ME, the undersigned authority, on this \_\_\_ day of \_\_\_\_\_, 19\_\_\_, personally appeared \_\_\_\_\_ known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]



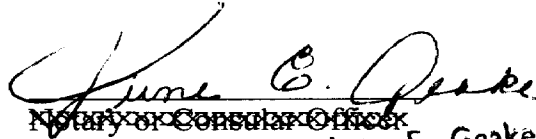
(Signature) \_\_\_\_\_

Date: November 16, 1999

Name: Puneet Sharma

~~STATE OF~~ REPUBLIC OF SINGAPORE )  
CITY OF SINGAPORE )  
EMBASSY OF THE ) SS.  
~~COUNTY OF~~ UNITED STATES OF AMERICA )

BEFORE ME, the undersigned authority, on this 16th day of November, 1999, personally appeared Puneet Sharma known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/~~she~~ executed the same of his own free will for the purposes and consideration therein expressed.



Notary or Consular Officer

**June E. Geake**  
Vice Consul of the  
United States of America

[SEAL]



(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: Keith R. Schakel

STATE OF \_\_\_\_\_ §  
  §  
COUNTY OF \_\_\_\_\_ §

BEFORE ME, the undersigned authority, on this \_\_ day of \_\_\_\_\_, 19 \_\_, personally appeared \_\_\_\_\_ known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: Francis M. Matus

STATE OF \_\_\_\_\_ §  
  §  
COUNTY OF \_\_\_\_\_ §

BEFORE ME, the undersigned authority, on this \_\_ day of \_\_\_\_\_, 19 \_\_, personally appeared \_\_\_\_\_ known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

Lawrence J. Merkel  
Conley, Rose & Tayon, P.C.  
P.O. Box 398  
Austin, TX 78767-0398

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to ADVANCED MICRO DEVICES, INC. (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having its principal place of business at One AMD Place, P.O. Box 3453, Sunnyvale, CA 94088, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled LINE PREDICTOR OPTIMIZED FOR BRANCHES AND MICROCODE, U.S. Serial No. 09/418,098, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

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COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assigns.

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_

Name: James B. Keller

STATE OF \_\_\_\_\_ §

§

COUNTY OF \_\_\_\_\_ §

BEFORE ME, the undersigned authority, on this \_\_\_ day of \_\_\_\_\_, 19\_\_\_, personally appeared \_\_\_\_\_ known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_

Name: Puneet Sharma

STATE OF \_\_\_\_\_ §

§

COUNTY OF \_\_\_\_\_ §

BEFORE ME, the undersigned authority, on this \_\_\_ day of \_\_\_\_\_, 19\_\_\_, personally appeared \_\_\_\_\_ known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

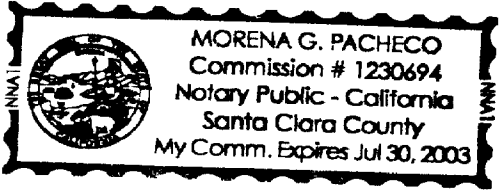
\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

(Signature) Keith R. Schakel Date: 11/12/99  
Name: Keith R. Schakel

STATE OF California §  
  §  
COUNTY OF Santa Clara §

BEFORE ME, the undersigned authority, on this 12th day of November, 1999, personally appeared Keith R. Schakel known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.



Morena G. Pacheco  
Notary or Consular Officer

[SEAL]

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: Francis M. Matus

STATE OF \_\_\_\_\_ §  
  §  
COUNTY OF \_\_\_\_\_ §

BEFORE ME, the undersigned authority, on this \_\_\_ day of \_\_\_\_\_, 19\_\_\_, personally appeared \_\_\_\_\_ known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

Lawrence J. Merkel  
Conley, Rose & Tayon, P.C.  
P.O. Box 398  
Austin, TX 78767-0398

ASSIGNMENT

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COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assigns.

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_

Name: James B. Keller

STATE OF \_\_\_\_\_ §

§

COUNTY OF \_\_\_\_\_ §

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\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_

Name: Puneet Sharma

STATE OF \_\_\_\_\_ §

§

COUNTY OF \_\_\_\_\_ §

BEFORE ME, the undersigned authority, on this \_\_\_ day of \_\_\_\_\_, 19\_\_\_, personally appeared \_\_\_\_\_ known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

(Signature) \_\_\_\_\_ Date: \_\_\_\_\_  
Name: Keith R. Schakel

STATE OF \_\_\_\_\_ §  
  §  
COUNTY OF \_\_\_\_\_ §

BEFORE ME, the undersigned authority, on this \_\_\_ day of \_\_\_\_\_, 19\_\_\_, personally appeared \_\_\_\_\_ known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.

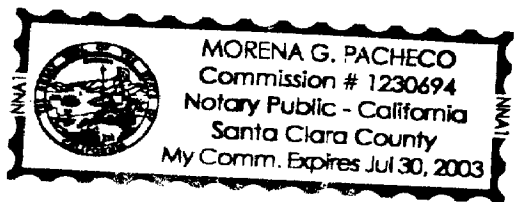
\_\_\_\_\_  
Notary or Consular Officer

[SEAL]

(Signature) *Francis M. Matus* Date: 11/12/99  
Name: Francis M. Matus

STATE OF California §  
  §  
COUNTY OF Santa Clara §

BEFORE ME, the undersigned authority, on this 12<sup>th</sup> day of November, 1999, personally appeared Francis M. Matus known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his own free will for the purposes and consideration therein expressed.



*Morena G. Pacheco*  
Notary or Consular Officer

[SEAL]

Lawrence J. Merkel  
Conley, Rose & Tayon, P.C.  
P.O. Box 398  
Austin, TX 78767-0398