

*WRD*

*1.28.99*

01-29-1999



100952653

1. Name of conveying party(ies):

Jerome C. Huck      Michael Morrison  
Peter Markstein      Gautam B. Doshi  
Glenn T. Colon-Bonet  
Alan H. Karp  
Roger Golliver

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

**HEWLETT-PACKARD COMPANY**  
Legal Department, M/S 20BN  
3000 Hanover Street  
Palo Alto, CA 94304

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

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

3. Nature of Conveyance:

Assignment       Merger  
 Security Agreement       Change of Name  
 Other

Execution Date(s): 12/14/98, 12/18/98, 1/11/99, 1/14/99, 1/15/99, 1/18/99

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)

Ser. No.: 09/169,669 Date Filed: 10/10/98

B. Patent No.(s)

Additional numbers attached? **NO**

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

**Jerome Dechant** RE: 10971854-1  
**HEWLETT-PACKARD COMPANY**  
Legal Department, IP Section  
19111 Pruneridge Ave., M/S 44L18  
Cupertino, CA 95014-0795

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): . . . **\$40.00**

Enclosed  
 Authorization to be charged to deposit account

8. Deposit Account Number: 08-2025

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

01/29/1999 SBURNS 00000042 002025 09169669  
01 FC:501 40.00 CH

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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.*

Jerome Dechant

Name of Person Signing

Signature

January 18, 1999

Date

Total number of pages including cover sheet, attachments and documents: 4

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

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

Assistant Commissioner for Patents  
Box Assignment  
Washington, D.C. 20231

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Legal Department, 20BN  
P.O. Box 10301  
Palo Alto, CA 94303-0890

**ASSIGNMENT OF PATENT APPLICATION**

I/WE, the undersigned (each) have agreed and hereby agree to assign to Institute For The *Development Of Emerging Architectures, L.L.C.*, a Delaware corporation having a place of business in Cupertino, California, (hereinafter IDEA), for good and valuable consideration, receipt of which is hereby acknowledged, and do hereby sell, assign and transfer to IDEA, its successors and assigns, the entire right, title and interest, including the right of priority, in to and under an application for Letters Patent of the United States entitled: Methods And Apparatus For Controlling Exponent Range In Floating-Point Calculations

Filing date: Oct. 10, 1998, Serial No.: 09/169,669

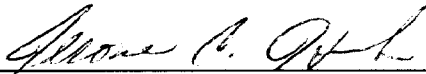
and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent.

I/we additionally authorize IDEA to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by IDEA, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such application and said Letters Patent, to IDEA, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid IDEA, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by IDEA;

AND I/we hereby authorize and request the Assistant Commissioner for Patents of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to IDEA, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct attorneys representing IDEA to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.



Inventor's Signature (Seal)

Date Assignment Signed: 1/12/1999

Inventor's Typed Name: Jerome C. Huck

Date Application Signed: 1/18/1999

State of \_\_\_\_\_ )

) ss.:

County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the forgoing instrument of assignment to be his/her free act and deed.

Notary Public

My Commission expires: \_\_\_\_\_

When recorded please return to:

HEWLETT-PACKARD COMPANY  
Legal Department, 20BN  
P.O. Box 10301  
Palo Alto, CA 94303-0890

**ASSIGNMENT OF PATENT APPLICATION (cont.)**

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

 Date Assignment Signed: 1/14/99  
Inventor's Signature (Seal)

Inventor's Typed Name: Peter Markstein Date Application Signed: 1/14/99

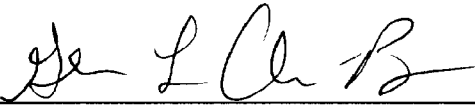
State of \_\_\_\_\_ )

) ss.:

County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the forgoing instrument of assignment to be his/her free act and deed.

\_\_\_\_\_  
Notary Public  
My Commission expires: \_\_\_\_\_

 Date Assignment Signed: Jan 11, 1999  
Inventor's Signature (Seal)

Inventor's Typed Name: Glenn T. Colon-Bonet Date Application Signed: Jan 11, 1999

State of \_\_\_\_\_ )

) ss.:

County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the forgoing instrument of assignment to be his/her free act and deed.

\_\_\_\_\_  
Notary Public  
My Commission expires: \_\_\_\_\_

 Date Assignment Signed: January 18, 1999  
Inventor's Signature (Seal)

Inventor's Typed Name: Alan H. Karp Date Application Signed: January 18, 1999

State of \_\_\_\_\_ )

) ss.:

County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the forgoing instrument of assignment to be his/her free act and deed.

\_\_\_\_\_  
Notary Public  
My Commission expires: \_\_\_\_\_

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P.O. Box 10301  
Palo Alto, CA 94303-0890

**ASSIGNMENT OF PATENT APPLICATION (cont.)**

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Roger A Golliver Date Assignment Signed: 12/14/98  
Inventor's Signature (Seal)

Inventor's Typed Name: Roger Golliver Date Application Signed: 12/14/98

State of \_\_\_\_\_ )

) ss.:

County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the forgoing instrument of assignment to be his/her free act and deed.

\_\_\_\_\_  
Notary Public  
My Commission expires: \_\_\_\_\_

Michael Morrison Date Assignment Signed: 1/15/99  
Inventor's Signature (Seal)

Inventor's Typed Name: Michael Morrison Date Application Signed: 1/15/99

State of \_\_\_\_\_ )

) ss.:

County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the forgoing instrument of assignment to be his/her free act and deed.

\_\_\_\_\_  
Notary Public  
My Commission expires: \_\_\_\_\_

Gautam B. Doshi Date Assignment Signed: DEC 18, 98  
Inventor's Signature (Seal)

Inventor's Typed Name: Gautam B. Doshi Date Application Signed: 12-18-98

State of \_\_\_\_\_ )

) ss.:

County of \_\_\_\_\_ )

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the forgoing instrument of assignment to be his/her free act and deed.

\_\_\_\_\_  
Notary Public  
My Commission expires: \_\_\_\_\_