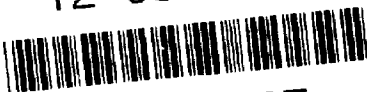


12-03-1999

U.S. Department of Commerce  
Patent and Trademark Office

101213727

To the Honorable Commissioner of Patents and Trademark

hereof.

## 1. Name of conveying party(ies):

- (1) Ying-wai Ho  
(2) Michael Schulte  
(3) John Lawrence Kelley

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

Name: MIPS Technologies, Inc.  
Street Address: 1225 Charleston Road  
City: Mountain View State: CA Zip Code: 94043-1353  
Country: U.S.A.

Additional name(s) of conveying party(ies) attached? ☐ yes ☒ noAdditional name(s) & address(es) attached? ☐ yes ☒ no

## 3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

## Execution Date(s):

(1) November 2, 1999; (2) November 3, 1999; and  
(3) November 2, 1999

## 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)  
09/363,637

B. Patent No(s).

Additional numbers attached? ☐ yes ☒ no

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

Name: **Sterne, Kessler, Goldstein & Fox P.L.L.C.**

Internal Address: c/o

Street Address: 1100 New York Ave., N.W.  
Suite 600

City: Washington State: D.C. Zip Code: 20005-3934

## 6. Total number of applications and patents involved

1

## 7. Total fee (37 C.F.R. § 3.41).....\$ 40.00

- ☐ Enclosed  
☒ Authorized to be charged to Deposit Account

## 8. Deposit Account Number: 19-0036

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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*

Michael B. Ray

Name of Person Signing

Registration No. 33,997

Signature

Date

11/24/99

Total number of pages including cover sheet, attachments and document

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

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

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## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: (1) Ying-wai Ho, (2) Michael Schulte and (3) John Lawrence Kelley, the undersigned inventors hereby sell and assign to MIPS Technologies, Inc. (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

*check applicable box(es):* ☒ for the United States of America (as defined in 35 U.S.C. § 100),  
☒ and throughout the world,

(a) in the invention known as System and Method for Improving the Accuracy of Reciprocal and Reciprocal Square Root Operations Performed by a Floating-Point Unit for which application for patent in the United States of America has been executed by the undersigned on (1) X 11/2/99, (2) X and (3) X 11/2/99 (also known as United States Application No. 09/363,637, filed July 30, 1999), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant James E. Kurkowski, Esquire, Registration No. 35,923 of MIPS TECHNOLOGIES, INC., 1225 Charleston Road, Mountain View, California 94043-1353; Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire,

Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; and Steven R. Ludwig, Registration No. 36,203, of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

(1) Date: x 11/2/99 Signature of Inventor: x Ying-wai Ho  
Ying-wai Ho

(2) Date:    Signature of Inventor: x Michael Schulte  
Michael Schulte

(3) Date: x 11/2/99 Signature of Inventor: x John Lawrence Kelley  
John Lawrence Kelley

Date:    Signature of Inventor:   

State: California

Subscribed and sworn to before me this    day of   , 19  .

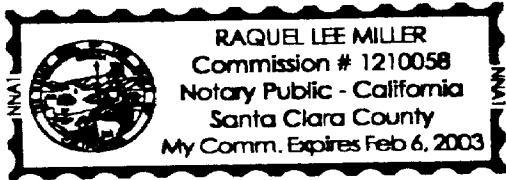
    
Notary Public  
My Commission Expires:   

State of California )  
County of Santa Clara) ss.

On November 2, 1999, before me, Raquel Lee Miller, Notary Public, personally appeared Ying-wai Ho and John Lawrence Kelley, personally known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same in their authorized capacities, and that by their signatures on the instrument the persons, or the entity upon behalf of which the persons acted, executed the instrument.

WITNESS my hand and official seal.

Raquel Lee Miller



## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: (1) Ying-wai Ho, (2) Michael Schulte and (3) John Lawrence Kelley, the undersigned inventors hereby sell and assign to MIPS Technologies, Inc. (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

*check applicable box(es)* ☒ for the United States of America (as defined in 35 U.S.C. § 100),  
☒ and throughout the world,

(a) in the invention known as System and Method for Improving the Accuracy of Reciprocal and Reciprocal Square Root Operations Performed by a Floating-Point Unit for which application for patent in the United States of America has been executed by the undersigned on (1)X, (2)X 11/3/99 and (3)X (also known as United States Application No. 09/363,637, filed July 30, 1999), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

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Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; and Steven R. Ludwig, Registration No. 36,203, of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

(1) Date: X Signature of Inventor: X  
Ying-wai Ho

(2) Date: X 11/3/99 Signature of Inventor: X Michael Schulte  
Michael Schulte

(3) Date: X Signature of Inventor: X  
John Lawrence Kelley

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_

Date: 11/3/99 Witness: [Signature]

State: California

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_.

\_\_\_\_\_  
Notary Public  
My Commission Expires: \_\_\_\_\_

State of California )  
County of Santa Clara) ss.

On \_\_\_\_\_, before me, Raquel Lee Miller, Notary Public, personally appeared Ying-wai Ho and John Lawrence Kelley, personally known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same in their authorized capacities, and that by their signatures on the instrument the persons, or the entity upon behalf of which the persons acted, executed the instrument.

WITNESS my hand and official seal.