

09-02-1998



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PD95-0180

RECORDATION FORM COVER SHEET

PATENTS ONLY

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Joseph M. Keith - January 6, 1998

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

3. Nature of Conveyance: 8-20-98

Assignment Merger

Security Agreement Change of Name

Other

Execution Date: See # 1 above

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

Name: Digital Equipment Corporation

Internal Address: Patent Law Group
MSO2-3/G3

Street Address: 111 Powdermill Road

City: Maynard, State: MA Zip: 01754

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

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: See # 1 Above.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Digital Equipment Corporation

Internal Address: Patent Law Group
MSO2-3/G3

Street Address: 111 Powdermill Road

City: Maynard, State: MA Zip: 01754-1499

6. Total number of applications and patents involved: [1]

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

Enclosed

Authorized to be charged to deposit account

8. Deposit account number: 04-1079

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.

Joanne N. Pappas
Name of Person Signing

Joanne Pappas
Signature

August 20, 1998
Date

Total number of pages comprising cover sheet: [1]

RECEIVED
JAN 12 1998
GROUP 2300

PD95-0180

ASSIGNMENT

WHEREAS, I, Joseph M. Keith, have have made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled "Simultaneous Mirror Write Cache", the specification of which was patented under U.S. Patent Number 08/671,154 on June 28, 1996.

WHEREAS, Digital Equipment Corporation, a corporation of the Commonwealth of Massachusetts, whose address is 111 Powdermill Road, Maynard, Massachusetts 01754, and who, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the entire right, title and interest together with the benefits and privileges hereinafter recited;

NOW, THEREFORE, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservation;

1. Assign, transfer and convey to Assignee the entire right, title and interest together with the benefits and privileges in and to said inventions and discoveries, said Application for Letters Patent or similar forms of protection of the United States of America, and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said application, and any and all Letters Patent, reissues and extensions of Letters Patent or similar forms of protection granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;
2. Authorize Assignee to file patent applications in any or all countries or groups of countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or any other relevant convention or treaty or otherwise;
3. Authorize and request the Commissioner of Patents

and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein, or otherwise as Assignee may direct;

4. Warrant that I have not knowingly conveyed to others any rights in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonable serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing any facts of my conceptions, disclosures, and reduction to practice of said inventions or discoveries.

IN WITNESS WHEREOF:

DATE I SIGNED INVENTOR'S DECLARATION: 1-6-98

Today's
Date: 1-6-98

Joseph M. Keith
Joseph M. Keith

STATE OF: Colorado

COUNTY OF: El Paso

On this 6 day of January, 1998 before me personally appeared Joseph M. Keith known to me to be the person described in and who executed the foregoing instrument, and who acknowledged that he executed the same as his free act and deed.

Witness my hand and official seal:

Signature: Maureen Cicione

Name: MAUREEN CICIOME

My Commission Expires: 3/17/01

Seal:

PD95-0180

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Fava et al.

Serial No.: 08/671,154

Filed: February 16, 1996

Group Art Unit: 2751

Examiner: Bragdon, R.

Title: "INPUT AND OUTPUT MOISE REDUCTION CIRCUIT"

I hereby certify that this correspondence is being deposited with the United States Postal Service as FIRST CLASS MAIL in an envelope addressed to: Box ISSUE FEE Asst. Commissioner for Patents, Washington, D.C. 20231, on:

August 20, 1998
Date of mailing


Signature of Karen Loudon

TRANSMITTAL OF RECORDATION FORM

Asst. Commissioner for Patents
Washington, DC 20231

Sir:

Transmitted herewith is a Recordation form for the above identified Patent application along with original assignment, mailroom receipt date and for proof of payment you have the authorization to charge our deposit account number 04-1079.

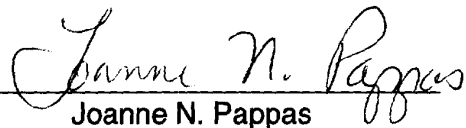
PATENT
REEL: 9409 FRAME: 0549

PD95-0180

Authorization is hereby given to be charged to Deposit Account No. 04-1079 .

Respectfully submitted,

DIGITAL EQUIPMENT CORPORATION

By: 
Joanne N. Pappas
Reg. No. 40,117
Attorney for the Assignee

Digital Equipment Corporation
111 Powdermill Road, MSO2-3/G3
Maynard, Massachusetts 01754-1499
(978) 493-6951



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DATE: August 11, 1998

Digital Equipment Corporation
Patent Law Group
111 Powdermill Road, MS02 3 G3
Maynard, MA 01754-1499

Gentlemen:

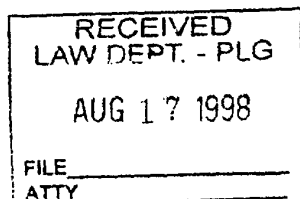
The attached assignment was sent to the Assignment Division without a cover sheet.

Please submit to our office a legible copy of the cover letter that accompanied this document, a copy of the patent office mailroom receipt date, and proof of payment with the attached original assignment.

If you have any questions, please call (703) 308-9723.

Sincerely,

Margaret LaSalle
Paralegal Specialist



PATENT
REEL: 9409 FRAME: 0551

Serial No. OS 1671,154
File Date February 16, 1998

Express Label No. _____

Commissioner of Patents
& Trademarks
Washington, D.C. 20231

Docket No. PD 95-0180
New Appl. _____
Rule 60 _____
Div. _____

Please acknowledge receipt of the following by date stamping
this card and returning it to the addressee.

Patent Application Of: Fava et al.
Title: "Simultaneous Minor Write Cache"

Specification _____	Assignment <u>X</u> _____
No. of Claims _____	Recording Fee _____
No. of Drawings _____	Authorization to _____
Decl. & POA <u>X</u> _____	Charge Dep. Acct. <u>X</u> _____
Filing Fee _____	Priority Document _____
Info. Disc. Stm. _____	Preliminary Amend. _____

Date: January 8, 1998 Initials: KAC

Serial No. OS 1671,154
File Date February 16, 1998

Express Label No. _____

Commissioner of Patents
& Trademarks
Washington, D.C. 20231

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JAN 26 1998

Docket No. PD 95-0180
New Appl. _____
Rule 60 _____
Div. _____

Please acknowledge receipt of the following by date stamping
this card and returning it to the addressee.

jc572 U.S. PTO



Patent Application Of: Fava et al.
Title: "Simultaneous Minor Write Cache"

01/12/98

Specification _____	Assignment <u>X</u> _____
No. of Claims _____	Recording Fee _____
No. of Drawings _____	Authorization to _____
Decl. & POA <u>X</u> _____	Charge Dep. Acct. <u>X</u> _____
Filing Fee _____	Priority Document _____
Info. Disc. Stm. _____	Preliminary Amend. _____

Date: January 8, 1998 Initials: KAC