

06-09-1998

MRD 5-28-98



PD25829

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R SHEET

PATENTS ONLY

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

1. Name of conveying party(ies):

Joel James McCormack - May 4, 1998
Christopher Charles Gianos - May 21, 1998
James Timothy Claffey - May 15, 1998
Danny Paul Eggleston - May 9, 1998
Tracey L. Gustafson - May 21, 1998

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

3. Nature of Conveyance:

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

JCS51 U.S. PAT. 09/086134

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

06/04/1998 DC0ATES 00000103 041079 09086134

DO NOT USE THIS SPACE

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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.

Dirk Brinkman
Name of Person Signing

Signature

May 28, 1998
Date

Total number of pages comprising cover sheet: [1]

ASSIGNMENT

WHEREAS, Joel James McCormack, Christopher Charles Gianos, James Timothy Claffey, Danny Paul Eggleston and Tracey L. Gustafson, have made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled "Hierarchical Ring Buffers for Buffering Data Between a Processor and an I/O Device", the specification of which was executed by us on the date(s) indicated below;

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 us, receipt and sufficiency of which we hereby acknowledge, we 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 our 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 we 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 we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us 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 us, our 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 us 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 our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing any facts of our conceptions, disclosures, and reduction to practice of said inventions or discoveries.

IN WITNESS WHEREOF:

DATE I SIGNED INVENTOR'S DECLARATION:

Today's

Date: 4 May 1998

Joel J. McCormack

Joel James McCormack

STATE OF: Colorado

COUNTY OF: Boulder

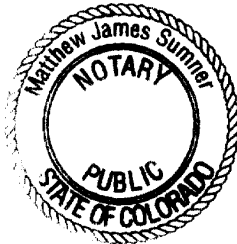
On this 4th day of May, 1998 before me personally appeared Joel James McCormack known to me to be the person described in and who executed the foregoing instrument, and who acknowledged that he executed the same as his free act and deed. Witness my hand and official seal:

Signature: Matthew James Sumner

Name: MATTHEW JAMES SUMNER

My Commission Expires: 3-2-02

Seal:



IN WITNESS WHEREOF:

DATE I SIGNED INVENTOR'S DECLARATION:

Today's

Date:

5/21/98
Christopher Charles Gianos

Christopher Charles

Gianos

STATE OF: Massachusetts

COUNTY OF: Middlesex

On this 21st day of May, 1998, before me personally appeared Christopher Charles Gianos known to me to be the person described in and who executed the foregoing instrument, and who acknowledged that he/she executed the same as his/her free act and deed. Witness my hand and official seal:

Signature: Karen A. Couders

Name: Karen A. Couders

My Commission Expires: My Commission expires Nov 16, 2000

Seal:

IN WITNESS WHEREOF:

DATE I SIGNED INVENTOR'S DECLARATION:

Today's

Date: 5-15-98

James T Claffey

James Timothy Claffey

STATE OF: : Massachusetts

COUNTY OF: Middlesex

On this 15 day of May, 1998, before me personally appeared James Timothy Claffey known to me to be the person described in and who executed the foregoing instrument, and who acknowledged that he/she executed the same as his/her free act and deed. Witness my hand and official seal:

Signature: Carolyn A Bianchi

Name: CAROLYN A BIANCHI

My Commission Expires: July 28, 2000

Seal:

IN WITNESS WHEREOF:

DATE I SIGNED INVENTOR'S DECLARATION:

Today's

Date: 5/9/98

Danny Paul Eggleston

Danny Paul Eggleston

STATE OF: : Massachusetts

COUNTY OF: Worcester

On this _____ day of _____, 1998, before me personally appeared Danny Paul Eggleston known to me to be the person described in and who executed the foregoing instrument, and who acknowledged that he/she executed the same as his/her free act and deed. Witness my hand and official seal:

Signature: *Sallie A. Gabriella*

Name: *Sallie A. Gabriella*

My Commission Expires: *Oct. 22, 2004*

Seal:

IN WITNESS WHEREOF:

DATE I SIGNED INVENTOR'S DECLARATION:

Today's

Date: May 21, 1998

Tracey L. Gustafson

Tracey L. Gustafson

STATE OF: Massachusetts

COUNTY OF: Middlesex

On this 21st day of May, 1998, before me personally appeared Tracey L. Gustafson known to me to be the person described in and who executed the foregoing instrument, and who acknowledged that he/she executed the same as his/her free act and deed. Witness my hand and official seal:

Signature: Karen A. Loudon

Name: Karen A. Loudon

My Commission Expires: May 21, 1999

Seal: