

FORM PTO-1595 (Rev. 6-93)

MWD 3-24-98

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RECEIPT ACCEPTING DIV. See original documents or copy thereof.

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

Tab settings

To the Honorable Commissioner of Patents

100673462

1. Name of conveying party(ies):

Reinhard C. Schumann
Dean A. Sovie
Mark J. Kelley

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

2. Name and address of receiving party(ies)

Name: Digital Equipment Corporation

Internal Address: _____

Street Address: 111 Powdermill Road

City: Maynard State: MA ZIP: 01754

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: 01/22/98, 01/19/98; 01/19/98
respectively

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)

08/963,047

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Joanne N. Pappas, Esq.

Internal Address: Patent Law Group

Digital Equipment Corporation

Street Address: 111 Powdermill Road

MS02-3/G3

City: Maynard State: MA ZIP: 01754-1449

6. Total number of applications and patents involved:

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

08-0380

(Attach 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.

David J. Thibodeau, Jr.

Name of Person Signing

Signature

3/22/98

Date

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

08963047 4000

PATENT RECEIVED

ASSIGNMENT

WHEREAS, Reinhard C. Schumann, a citizen of the United States residing at 12 Davis Road, Stow, Massachusetts 01775, Dean A. Sovie, a citizen of the United States residing at 173 Summer Street, Maynard, Massachusetts 01754, and Mark J. Kelley, a citizen of the United States residing at 138 Simpson Road, Marlboro, Massachusetts 01752 have made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled ADAPTIVE PRECHARGE MANAGEMENT FOR SYNCHRONOUS DRAM, the specification of which:

[] was executed by us on the date(s) indicated below;
[X] was filed on November 3, 1997
 as Application Serial No. 08/963,047.
[] was patented under U.S. Patent No. []
 on [];

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/me, receipt and sufficiency of which we/I hereby acknowledged, we/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 conventior 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 inventicns 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/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 we/I have good right to assign the same to Assignee without encumbrance;

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

IN WITNESS WHEREOF: _____

DATE I SIGNED INVENTOR'S DECLARATION: 1-22-98

Today's Date: Jan 22, 1998 Reinhard C. Schumann
Reinhard C. Schumann

STATE OF: Massachusetts

COUNTY OF: Middlesex

On this 22ND day of January, 1998, before me personally appeared REINHARD C. SCHUMANN 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.

Mary A. Manning
Notary Public MARY A. MANNING
My Commission Expires: 4-8-99

IN WITNESS WHEREOF: _____

DATE I SIGNED INVENTOR'S DECLARATION: _____

Today's Date: JAN 19, 1998 Dean A. Sovie
Dean A. Sovie

STATE OF: Massachusetts

COUNTY OF: Middlesex

On this 19 day of Jan, 1998, before me personally appeared Dean Sovie 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.

Eleboral Jones
Notary Public
My Commission Expires: July 5, 2002

DEBORAH JONES
Notary Public
My Commission Expires: 07/05/2002

IN WITNESS WHEREOF: _____

DATE I SIGNED INVENTOR'S DECLARATION: _____

Today's Date: Jan 19 1998

Mark J. Kelley
Mark J. Kelley

STATE OF: Massachusetts

COUNTY OF: Middlesex

On this 19 day of Jan, 1998, before me personally appeared Mark Kelley 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.

Deborah Gomez
Notary Public
My Commission Expires: July 5, 2002

DEBORAH GOMEZ
Notary Public
My Commission Expires July 5, 2002