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

1. Name of conveying party(ies):
   Joel F. Bartlett - June 22, 1998

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

3. Nature of Conveyance:
   [X] Assignment
   [ ] Merger
   [ ] Other

Execution Date: See # 1 above

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) 09/03903

Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:
   Name: Digital Equipment Corporation
   Internal Address: Patent Law Group
   MS02-3/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

[X] Authorized to be charged to deposit account

8. Deposit account number: 04-1079

DO NOT USE THIS SPACE

   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
   Date 07-09-1998

Total number of pages comprising cover sheet: [1]
ASSIGNMENT

WHEREAS, Joel F. Bartlett, has made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled "Method for Speculatively Executing Commands to Control a Computing 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 Powdertmill 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: **22 June 1998**

Today's Date: **22 June 1998**

Joel F. Bartlett

State of **California**

County of **Santa Clara**

On **June 22, 1998** before me, **JAMES H. MAISON, Notary Public**, personally appeared, Joel F. Bartlett, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Witness my hand and official seal:

Signature: **[Signature]**

My Commission Expires: **Sep 10, 2000**

Seal:

[Notary Public Seal]

RECORDED: 06/24/1998

PATENT

REEL: 9285 FRAME: 0225