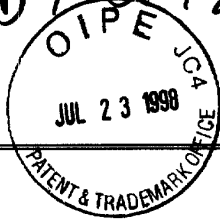


MRO 7-23-98



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09-01-1998

PD26096



HEET

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

1. Name of conveying party(ies):  
James Mathew Rehg - May 26, 1998  
Kathleen Knobe - May 26, 1998  
Rishiyur S. Nikhil - May 26, 1998  
Umakishore Ramachandran - May 28, 1998

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

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

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

07/20/1998 CASHING 00000038 041079 09085795

01 FC 581 40.00 CH

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.

Dirk Brinkman  
Name of Person Signing

Signature

July 20, 1998  
Date

Total number of pages comprising cover sheet: [1]

## ASSIGNMENT

WHEREAS, James Mathew Rehg, Kathleen Knobe, Rishiyur S. Nikhil and Umakishore Ramachandran have made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled "System for Integrating Task and Data Parallelism in Dynamic Applications", 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 Assistant Commissioner for Patents 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: \_\_\_\_\_

\_\_\_\_\_  
James Matthew Rehg

STATE OF: MASSACHUSETTS

COUNTY OF: \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 1998, before me personally appeared  
\_\_\_\_\_ 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.

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

IN WITNESS WHEREOF:

DATE I SIGNED INVENTOR'S DECLARATION: \_\_\_\_\_

Today's

Date: \_\_\_\_\_

\_\_\_\_\_  
Kathleen Knobe

STATE OF: MASSACHUSETTS

COUNTY OF: \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 1998, before me personally appeared \_\_\_\_\_ 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.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

IN WITNESS WHEREOF:

DATE I SIGNED INVENTOR'S DECLARATION: \_\_\_\_\_

Today's

Date: \_\_\_\_\_

\_\_\_\_\_  
Rishiyur S. Nikhil

STATE OF: MASSACHUSETTS

COUNTY OF: \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 1998, before me personally appeared \_\_\_\_\_ 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.

Notary Public

\_\_\_\_\_  
My Commission Expires: \_\_\_\_\_

IN WITNESS WHEREOF:

DATE I SIGNED INVENTOR'S DECLARATION: 5/28/98

Today's Date: 5/28/98

Umakishore Ramachandran  
Umakishore Ramachandran

STATE OF: ~~GEORGIA~~ <sup>Pennsylvania</sup>

COUNTY OF: Allegheny

On this 28th day of MAY, 1998, before me personally appeared Umakishore Ramachandran 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.

Notarial Seal  
Emma Jean Scavincky, Notary Public  
Pittsburgh, Allegheny County  
My Commission Expires Dec. 14, 2000  
Member, Pennsylvania Association of Notaries

Emma Jean Scavincky  
Notary Public  
My Commission Expires: Dec. 14, 2000