

02-10-1999

Docket No.: DEC98-23 (PD26018)

R



FR SHEET

100962066

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)

- 1. Rahul Razdan
- 2. David Arthur James Webb, Jr.

NRD
1-26-99

2. Name and address of receiving party(ies)

Name: Digital Equipment Corporation

Internal Address: _____

JCS23 U.S. PTO
09/237519
01/26/99

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

3. Nature of conveyance:

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

Street Address: 20555 State Highway 249, MS 110701

City: Houston State: TX ZIP: 77070

Execution Date: 1. 12/24/98; 2. 12/21/98

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

4. Application number(s) or patent number(s):

09/237,519

If this document is being filed together with a new application, the execution date of the application is: 1. 12/24/98; 2. 12/21/98

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: David J. Thibodeau, Jr.

Internal Address: _____

Hamilton, Brook, Smith & Reynolds, P.C.

Street Address: Two Militia Drive

City: Lexington State: MA ZIP: 02421-4799

6. Total number of applications and patents involved: 1

7. Total Fee (37 C.F.R. 3.41)..... \$ 40.00

- Enclosed with Filing Fee
- Authorized to charge any deficiencies or credit any overpayment to deposit account
- 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.

David J. Thibodeau, Jr.

26 January 1999

Name of Person Signing

Signature

Date

02/03/1999 KHARLING 00000001 09237519

02 FEB 1999

Total number of pages including cover sheet, attachments, and document: 7

ASSIGNMENT

WHEREAS, We, *Rahul Razdan, David Arthur James Webb, Jr., and James B. Keller*, are joint inventors of "**METHOD AND APPARATUS FOR OPTIMIZING BCACHE TAG PERFORMANCE BY INFERRING BCACHE TAG STATE FROM INTERNAL PROCESSOR STATE**," application for United States Letters Patent which is executed of even date herewith; and

WHEREAS, DIGITAL EQUIPMENT CORPORATION, a corporation created and existing under and by virtue of the laws of the Commonwealth of Massachusetts, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention throughout the world, and all right, title and interest in, to and under any and all Letters Patent of the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby sell, assign, transfer and set over to DIGITAL EQUIPMENT CORPORATION, all right, title and interest in and to the said invention throughout the world, and said application for U.S. Letters Patent, and any and all divisions, continuations, and reissues thereof, and any and all Letters Patent of the United States and foreign countries which may be granted therefor, the same to be held and enjoyed by DIGITAL EQUIPMENT CORPORATION for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States or foreign countries are or may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application and from any and all divisions, continuations, and reissues thereof, to DIGITAL EQUIPMENT CORPORATION, as assignee of our entire interest, and hereby covenant that we have the full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith.

And we further hereby covenant and agree that we will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title of said invention and to such Letters Patent as may be granted therefor, to DIGITAL EQUIPMENT CORPORATION, its successors, assigns, or other legal representatives and that if DIGITAL EQUIPMENT CORPORATION, its successors, assigns or other legal representatives shall desire to file any divisional or continuation applications or to secure a reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filing of such divisional or continuation application, or such application for reissue and the procuring thereof, and for the filing of such disclaimer, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

And we do further covenant and agree that we will, at any time upon request, communicate to DIGITAL EQUIPMENT CORPORATION, its successors, assigns or other legal representatives, such facts relating to said invention and Letters Patent or the file history thereof as may be known to us, and testify as to the same in any interference or other litigation when requested so to do, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

EXECUTED THIS 24 day of December, 1998.

[Signature]
Rahul Razdan

COMMONWEALTH OF MASSACHUSETTS §
COUNTY OF Middlesex §

BEFORE ME, the undersigned authority, on this day personally appeared **Rahul Razdan**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 19th day of January, 1999.

My commission expires 1/2/01

[Signature]
Notary Public in and for the Commonwealth of Massachusetts

EXECUTED THIS _____ day of _____, 19____.

David Arthur James Webb, Jr.

COMMONWEALTH OF MASSACHUSETTS §
COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this day personally appeared **David Arthur James Webb, Jr.**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this _____ day of _____, 19____.

Notary Public in and for the Commonwealth of Massachusetts

EXECUTED THIS _____ day of _____, 19__.

James B. Keller

COMMONWEALTH OF MASSACHUSETTS §
COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this day personally appeared *James B. Keller*, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this _____ day of _____, 19____.

Notary Public in and for the Commonwealth of Massachusetts

ASSIGNMENT

WHEREAS, We, *Rahul Razdan, David Arthur James Webb, Jr., and James B. Keller*, are joint inventors of "**METHOD AND APPARATUS FOR OPTIMIZING BCACHE TAG PERFORMANCE BY INFERRING BCACHE TAG STATE FROM INTERNAL PROCESSOR STATE**," application for United States Letters Patent which is executed of even date herewith; and

WHEREAS, DIGITAL EQUIPMENT CORPORATION, a corporation created and existing under and by virtue of the laws of the Commonwealth of Massachusetts, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention throughout the world, and all right, title and interest in, to and under any and all Letters Patent of the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby sell, assign, transfer and set over to DIGITAL EQUIPMENT CORPORATION, all right, title and interest in and to the said invention throughout the world, and said application for U.S. Letters Patent, and any and all divisions, continuations, and reissues thereof, and any and all Letters Patent of the United States and foreign countries which may be granted therefor, the same to be held and enjoyed by DIGITAL EQUIPMENT CORPORATION for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States or foreign countries are or may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application and from any and all divisions, continuations, and reissues thereof, to DIGITAL EQUIPMENT CORPORATION, as assignee of our entire interest, and hereby covenant that we have the full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith.

And we further hereby covenant and agree that we will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title of said invention and to such Letters Patent as may be granted therefor, to DIGITAL EQUIPMENT CORPORATION, its successors, assigns, or other legal representatives and that if DIGITAL EQUIPMENT CORPORATION, its successors, assigns or other legal representatives shall desire to file any divisional or continuation applications or to secure a reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filing of such divisional or continuation application, or such application for reissue and the procuring thereof, and for the filing of such disclaimer, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

And we do further covenant and agree that we will, at any time upon request, communicate to DIGITAL EQUIPMENT CORPORATION, its successors, assigns or other legal representatives, such facts relating to said invention and Letters Patent or the file history thereof as may be known to us, and testify as to the same in any interference or other litigation when requested so to do, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

EXECUTED THIS _____ day of _____, 19__.

Rahul Razdan

COMMONWEALTH OF MASSACHUSETTS §
COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this day personally appeared **Rahul Razdan**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this _____ day of _____, 19__.

Notary Public in and for the Commonwealth of Massachusetts

EXECUTED THIS 21 day of December, 1988.

David Arthur James Webb, Jr.
David Arthur James Webb, Jr.

COMMONWEALTH OF MASSACHUSETTS §
COUNTY OF WORCESTER §

BEFORE ME, the undersigned authority, on this day personally appeared **David Arthur James Webb, Jr.**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 21 day of December, 1988.

Shalter D. Smith, Jr.
Notary Public in and for the Commonwealth of Massachusetts

EXECUTED THIS _____ day of _____, 19__.

James B. Keller

COMMONWEALTH OF MASSACHUSETTS §
COUNTY OF _____ §

BEFORE ME, the undersigned authority, on this day personally appeared *James B. Keller*, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this _____ day of _____, 19____.

Notary Public in and for the Commonwealth of Massachusetts