

CORDATION FORM COVER SHEET **PATENTS ONLY**

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)		
3. James B. Keller	Name: Digital Equipment Corporation		
7-21-99	Internal Address:		
Additional name(s) of conveying party(ies) attached? [] Yes [X] No			
3. Nature of conveyance:	Street Address: 20555 State Highway 249, MS110701		
[X] Assignment [] Merger			
[] Security Agreement [] Change of Name	City: Houston State: TX ZIP: 77070		
[] Other			
Execution Date: 15 July 1999	Additional name(s) & address(es) attached? [] Yes [X] No		
4. Application number(s) or patent number(s):			
If this document is being filed together with a new application,	1		
A. Patent Application No.(s)	B. Patent No.(s)		
09/237,519			
Additional numbers attached? [] Yes [X] No			
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: [1]		
Name: David J. Thibodeau, Jr.	7. Total Fee (37 C.F.R. 3.41)\$ 40.00		
Internal Address:	[X] Enclosed		
Hamilton, Brook, Smith & Reynolds, P.C.	[X] Authorized to charge any deficiencies or credit any overpayment to deposit account		
	[] Authorized to be charged to deposit account		
Street Address: Two Militia Drive	8. Deposit account number:		
	08-0380		
City: Lexington State: MA ZIP: 02421-4799	(Attach duplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE 40E			
9. Statement and signature. To the best of my knowledge and belief, the foregoing informal document. ()	tion is true and correct and any attached copy is a true copy of the original		
David J. Thibodeau, Jr.	19 July 1999		
Name of Person Signing	Signature Date		
Total number of pages including cover sheet, attachments, and document: [4]			
i otal number of pages including c	over sheer, attachments, and document. []		

07/22/1999 MTHAI1 00000199 09237519

01 FC:581

40.00 DP

Docket No.: DEC98-23 (PD26018)

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.

PATENT REEL: 010106 FRAME: 0751

EXECUTED THIS	day of	, 19	
		Rahul Razdan	
COMMONWEALTH OF MAS	-		
known to me to be the person v	whose name is subscribed to	day personally appeared <i>Rahul Razd</i> to the foregoing instrument, and rposes and consideration therein	'an,
GIVEN UNDER MY H	IAND and seal of office the	is day of	,
	·	d for the Commonwealth of Massach	 iusetts
*****	**********	******	
EXECUTED THIS	day of	, 19	
	David	d Arthur James Webb, Jr.	
COMMONWEALTH OF MAS COUNTY OF	U		
	—	day personally appeared <i>David Arthu</i> ame is subscribed to the foregoing	ur
acknowledged to me that he ex	ecuted the same for the pur	rposes and consideration therein exp	ressed.
GIVEN UNDER MY F	IAND and seal of office the	is day of	, 19
·			
	Notary Public in and	d for the Commonwealth of Massach	nusetts
*****	*********	********	
EXECUTED THIS	day of	, 19	

PATENT REEL: 010106 FRAME: 0752

STATE OF	CALIFORNIA
C OMMONWEAL TH OF	MASSACHUSETTS
COUNTY OF SAN 74	CLARA

James B. Keller

§ §

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 15 day of Tuby, 1999

Notary Pu

bite in and for the Commonwealth of Massachusetts

STATE OF CAUFORNIA.

TU NGUYEN
Comm. #1117389
OTARY PUBLIC CALIFORNIA
SANTA CLARA COUNTY
Comm. Exp. Nov. 18, 2000