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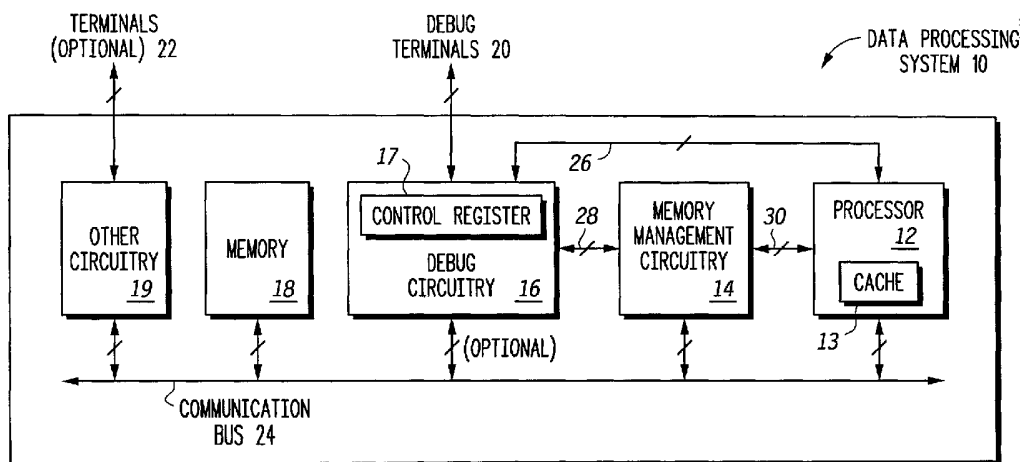
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(54) Title: MEMORY MANAGEMENT IN A DATA PROCESSING SYSTEM



(57) Abstract: A data processing (10) includes memory management circuitry (14) which allows additional control over the physical address (83) and over the address attributes (84) which are provided for use by data processing system (10). One use of this additional control over the physical address (83) and over the address attributes (84) is to avoid address translation failure and unintended modification of cache (13) and memory (18) system state during debugging.

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**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US04/05736

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : G06F 12/10  
 US CL : 711/202

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 U.S. : 711/202 711/118,125,138,163,201,203-209;714/24,29-34,38-39,46,718,724,734

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 Please See Continuation Sheet

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 6,499,123 B1 (McFarland et al.) 24 December 2002, see entire document.	1-5, 8-12, 14-28, 30 and 32-36 ----- 13,31,37-29 and 43 13,31,37-39 and 43
Y,E	US 6,748,558 B1 (Gonzales et al.) 08 June 2004, see entire document.	13,31,37-39 and 43
A	US 5,900,014 A (Bennett) 04 May 1999.	1-45
A	US 6,446,221 B1 (Jaggar et al.) 03 September 2002.	1-45
A	US 5,530,804 A (Edgington et al.) 25 June 1996.	1-45

Further documents are listed in the continuation of Box C.

See patent family annex.

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"P" document published prior to the international filing date but later than the priority date claimed	

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Continuation of B. FIELDS SEARCHED Item 3:  
USPAT;US-PGPUB;EPO;JPO;DERWENT;IBM\_TDB  
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