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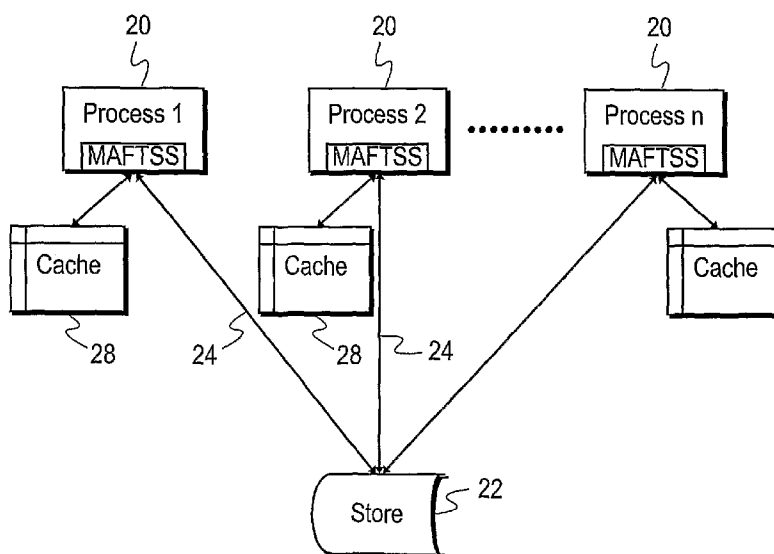
— with international search report

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26 April 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SECURE STORAGE MANAGEMENT SYSTEM AND METHOD



(57) Abstract: The present invention provides a storage management system and method for managing access between a plurality of processes and a common store. According to the invention, each individual process comprises data processing means, a cache for the temporary storage of data generated by the data processing means, and a control unit for managing the transferral of data between the cache and a common store. The control unit comprises a manager for monitoring the availability of storage locations in the store to receive and store data and for allocating data to available storage locations, an interface for transferring the allocated data to the available storage locations, and a locking arrangement for locking the store during data transfer in order to ensure exclusive access and thereby preserve data integrity.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 06/22558

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 11/30; G06F 12/14; H04L 9/32 (2006.01)

USPC - 713/193

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)

USPC - 713/193; 707/1; 713/165; 713/189; 726/26; 726/30; 718/106

IPC8 - G06F 11/30; G06F 12/14; H04L 9/32 (2006.01)

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)

WEST - terms: data, storage, management, block, garbage, cache, mutex, lock, address

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 2003/0187860 A1 (HOLLAND, M. C.) 02 October 2003 (02.10.2003), para [0009], [0020], [0025], [0028], [0046]-[0047], [0061]-[0063]	1-4, 7-11, 13, 15-18, 21-25, 27, 29-32, 35, 36
Y	US 6,564,215 B1 (HSIAO, H. I. et al.) 13 May 2003 (13.05.2003), col 6, lines 58-66; col. 10, lines 25-65	5, 6, 12, 14, 19, 20, 26, 28, 33, 34 and 37
A	US 2004/0078568 A1 (PHAM, D. et al.) 22 April 2004 (22.04.2004)	1-37
A	US 2001/0019614 A1 (MADOUKH, A.) 06 September 2001 (06.09.2001)	1-37

☐ Further documents are listed in the continuation of Box C.

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Date of the actual completion of the international search

03 January 2007 (03.01.2007)

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