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(54) Title: METHOD AND APPARATUS FOR PROVIDING HIGH-PERFORMANCE AND HIGHLY-SCALABLE STORAGE ACCELERATION

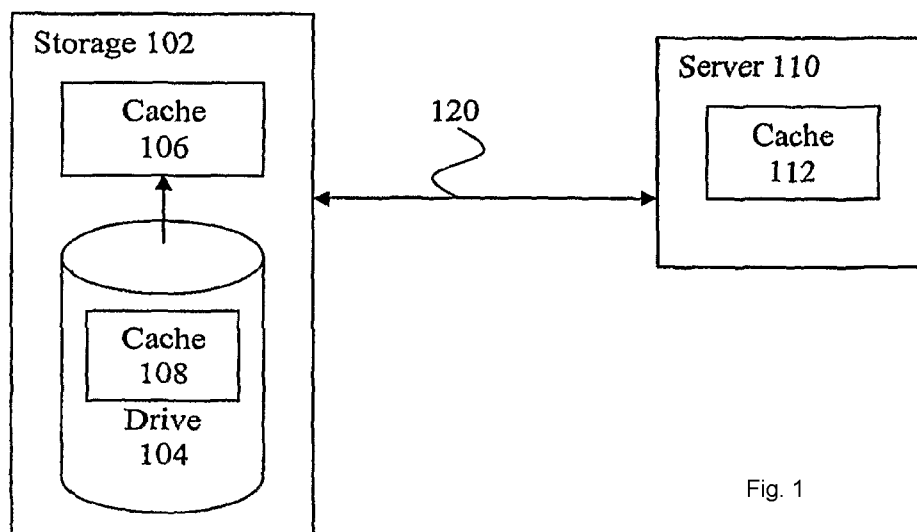


Fig. 1

(57) Abstract: A method and apparatus of providing high performance and highly scalable storage acceleration includes a cluster node-spanning RAM disk (CRD) interposed in the data path between a storage server and a computer server. The CRD addresses performance problems with applications that need to access large amounts of data and are negatively impacted by the latency of classic disk-based storage systems. It solves this problem by placing the data the application needs into a large (with respect to the server's main memory) RAM-based cache where it can be accessed with extremely low latency, hence improving the performance of the application significantly. The CRD is implemented using a novel architecture which has very significant cost and performance advantages over existing or alternative solutions.

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USPC: 709/223

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. : 709/223

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US Pub. No. 2002/0116585 A1 (Scherr) 22 August 2002 (22.08.2002), abstract, Paragraph [0042-0049].	1-32

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

☐ See patent family annex.

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