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(54) **Title:** SYSTEM AND METHOD FOR CONTROLLING A FILE SYSTEM

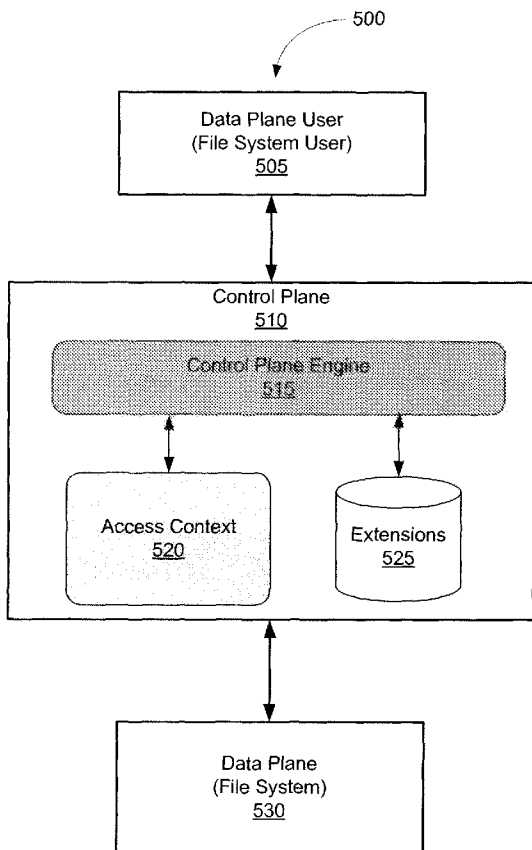


FIG. 5

(57) **Abstract:** According to various embodiments of the invention, a system and method for controlling a file system. In some embodiments, a control plane interposes between a data plane user and a data plane, intercepts file system operations, and performs control plane operations upon the file system operations. In one such embodiment, the system and method is implemented between a data plane user that is a local file system user and a data plane that is a local file system. In another such embodiment, the system and method is implemented between a data plane user that is a client and a data plane that is a file server. Furthermore, for an embodiment where the control plane that interposes between a client and a file server, the control plane can be implemented as a file system proxy. Control plane operations include, but are not limited to, observation, verification, and transformation of a file system operation.

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Korean Utility models and applications for Utility models since 1975

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eKIPASS(KIPO internal) & keywords: "file system operation, intercept, file system proxy, virtual file system"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	M. Zhao, et al., "Proxy Managed Client-Side Disk Caching for the Virtual File system", Technical Report TR-ACIS-04-001, Electrical and Computer Engineering-University of Florida, Nov. 2004. See "1. Introduction" and "2. Architecture"	1-25
X	R. Figueiredo, et al., "The PUNCH virtual file system: seamless access to decentralized storage services in a computational grid", Proceedings of the 10th IEEE International Symposium on High Performance Distributed Computing, 2001. See Section 1, 3, and 4	1-25
A	US 7120631 B1 (VAHALIA et al.) 10 Oct. 2006 See Abstract, Fig. 3 and Claims	1-25
A	US 2005-273858 A1 (ZADOK et al.) 08 Dec. 2005 See Abstract, Fig. 6, and Claims	1-25
A	US 6606685 B2 (HUXOLL) 12 Aug. 2003 See Abstract, Fig. 5, and Claims	1-25

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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US 7120631 B1	10.10.2006	NONE	
US 2005-273858 A1	08.12.2005	NONE	
US 6606685 B2	12.08.2003	US 2003-093620 A1	15.05.2003