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[Continued on next page]

(54) Title: HIGH PERFORMANCE CLOUD STORAGE

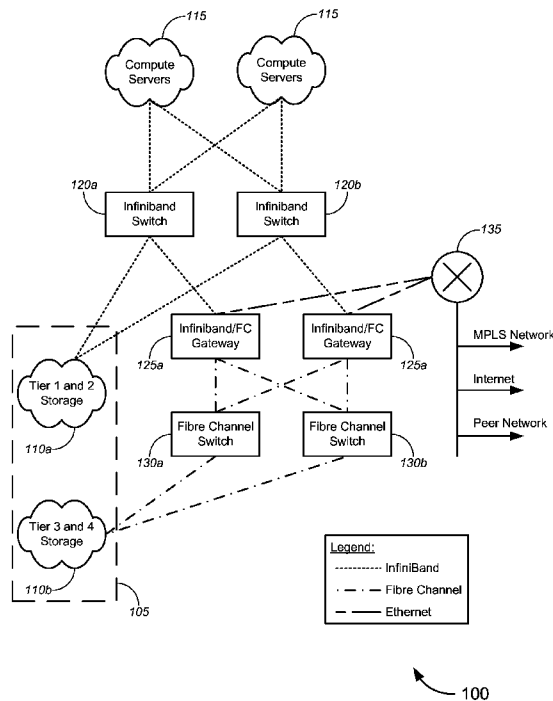


FIG. 1

(57) Abstract: This document discloses high performance data storage solutions. In an aspect, some solutions can be employed in a cloud-computing environment that provides shared storage for a plurality of customers. In other aspects, the solutions provided by some embodiments can provide multiple tiers of storage, each having a different performance level. This feature can provide a customer with the ability (e.g., through a web portal) to design its own custom storage solution that blends multiple tiers of storage at different capacity and performance levels to attain an optimal level of capacity, performance, and cost. Some disclosed solutions provide a novel arrangement of different types of storage devices that are provisioned through a common API, which can access each storage device's native management interface, as well as the host computer for which the storage will be provisioned, to allocate multiple tiers of storage to the host computer in an automated manner.

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SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
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A. CLASSIFICATION OF SUBJECT MATTER**G06F 15/16(2006.01)i**

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G06F 15/16; G06F 12/02; G06F 21/24; G06F 12/16; G06F 17/30; G06F 12/00

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: storage, database, provisioning, performance, cost, cloud

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2010-0332456 A1 (PRAHLAD ANAND et al.) 30 December 2010 See abstract; paragraphs [62]-[76], [88]-[96], [118]-[131], [269]-[277]; claims 1-8 and figures 1-3, 15-16.	1-24
Y	US 6801992 B2 (GAJJAR; KUMAR et al.) 05 October 2004 See abstract; col. 4, line 61 - col. 5, line 32, col. 7, line 21 - col. 10, line 2; claims 1-10 and figures 6-7.	1-24
A	Bhuvan Urgaonkar et al, 'Dynamic Provisioning of Multi-tier Internet Applications', Autonomic Computing 2005, pages 217-228, 13-16 June 2005 See sections 1-3. * Claim 10 is found missing.	1-24

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

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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