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- (71) Applicant (for all designated States except US): **COMMVAULT SYSTEMS, INC.** [US/US]; 2 Crescent Place, Oceanport, NJ 07757-0090 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **MULLER, Marcus, S.** [US/US]; 2 Crescent Place, Oceanport, NJ 07757-0090 (US).
- (74) Agents: **DALEY-WATSON, Christopher, J.** et al.; Perkins Coie LLP, P.O. Box 1247, Seattle, WA 98111-1247 (US).

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[Continued on next page]

(54) Title: POWER MANAGEMENT OF DATA PROCESSING RESOURCES, SUCH AS POWER ADAPTIVE MANAGEMENT OF DATA STORAGE OPERATIONS

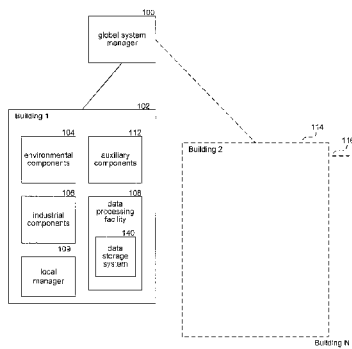


FIG. 1A

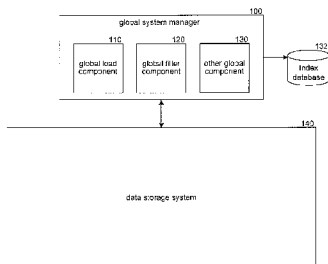


FIG. 1B

(57) Abstract: A system and method for performing power conservation actions is described. In some examples, the system determines a power conservation policy based on information from the system, and implements that policy in an enterprise or in one or more buildings, such as within a data storage environment. In some examples, the system adds or modifies global filters or system performance based on information from the system.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 1/32 (2009.01)
USPC - 713/320

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: 713/320

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 713/324,330,340 | 702/60-61 | 711/100,103,113 (keyword limited - see terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST(PGPB, USPT, USOC, EPAB, JPAB); GOOGLE
Search Terms Used: Controlling, motor, storage or memory, allocating or re-allocating, conservation or consumption, power management policy, workload, blades, saving, processor, low, HVAC, adaptive or dynamic, comparing, queue, schedule, test packet, performance, spikes.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2007/0101173 A1 (Fung) 03 May 2007 (03.05.2007), entire document, especially; abstract, para. [0038], [0058], [0074]-[0080], [0092], [0099], [0104],	11
-	[0105], [0119], [0123], [0157]-[0160], [0165], [0182], [0189], , [0193], [0275], [0278]-[0280],	-----
Y	[0288], [0296], [0301], [0306].	1-10, 12-37
Y	US 2006/0242356 A1 (Mogi et al.) 26 October 2006 (26.10.2006), entire document, especially; abstract, para. [0126], [0130], [0133], [0230], [0313]-[0318], [0322],	1-10, 12-15, 19-37
Y	[0325], [0335].	
Y	US 2005/0203761 A1 (Barr et al.) 15 September 2005 (15.09.2005), entire document, especially; abstract, para. [0012], [0017], [0023], [0028].	2, 16-18
Y	US 5,664,204 A (Wang) 02 September 1997 (02.09.1997), entire document, especially; abstract, Col 6, ln 56-58.	21
Y	US 2002/0194511 A1 (Swoboda) 19 December 2002 (19.12.2002), entire document, especially; abstract, para. [0015], [0017].	27, 29
Y	US 2007/0104118 A1 (MEGA et al.) 10 May 2007 (10.05.2007), entire document, especially; abstract, para. [0035].	28
Y	US 2006/0058994 A1 (Ravi et al.) 16 March 2006 (16.03.2006), entire document, especially; abstract, para. [0064].	36
Y	US 2002/0095609 A1 (Tokunaga) 18 July 2002 (18.07.2002), entire document, especially; abstract, para. [0045], [0049], [0053], [0074], [0078].	2

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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