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[Continued on next page]

(54) **Title:** EFFICIENT DATA MANAGEMENT IMPROVEMENTS, SUCH AS DOCKING LIMITED-FEATURE DATA MANAGEMENT MODULES TO A FULL-FEATURED DATA MANAGEMENT SYSTEM

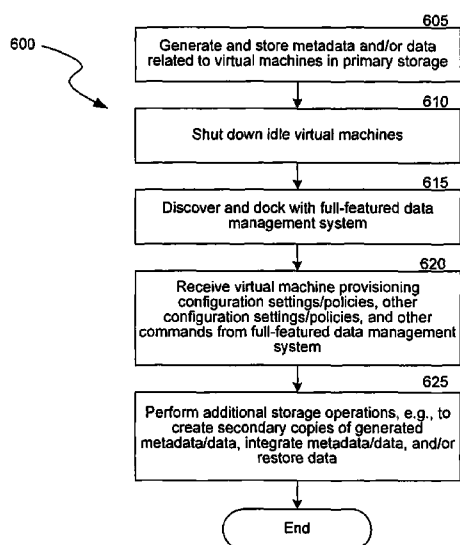


FIG. 6

(57) **Abstract:** Software, firmware, and systems are described herein that permit an organization to dock previously-utilized, limited-feature data management modules with a full-featured data management system. By docking limited-feature data management modules to a full-featured data management system, metadata and data from the various limited-feature data management modules can be integrated and utilized more efficiently and effectively. Moreover, additional data management features can be provided to users after a more seamless transition.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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A. CLASSIFICATION OF SUBJECT MATTER**G06F 9/44(2006.01)i, G06F 12/00(2006.01)i, G06F 15/16(2006.01)i**

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)

G06F 9/44; G06F 12/02; G06F 15/173; G06F 9/445; G06F 12/00; G06F 9/455

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: limited-feature data management module, docking full-featured data management module, metadata, idle virtual machine, storage

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2008-0244177 A1 (CRESCENTI JOHN et al.) 02 October 2008 See the abstract, paras.[0035],[0082],[0088], claim 1 and figs.1,9.	1-20
A	US 2009-0327477 A1 (MADISON, JR. CARL T. et al.) 31 December 2009 See the abstract, paras.[0007],[0008],[0016],[0023] and figs.1,2.	1-20
A	US 2010-0070725 A1 (PRAHLAD ANAND et al.) 18 March 2010 See the abstract, paras.[0077]-[0080],[0091]-[0094] and figs.1A,1B,7.	1-20
A	US 2007-0234302 A1 (SUZUKI, AARON T. et al.) 04 October 2007 See the abstract, paras.[0036],[0039],[0040],[0106]-[0108] and figs.1,2,8.	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

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"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

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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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US 2007-0234302 A1	04.10.2007	US 2007-0234337 A1	04.10.2007