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(54) Title: SYSTEM AND METHOD FOR PROVIDING A UNIFIED STORAGE SYSTEM THAT SUPPORTS FILE/OBJECT DUALITY

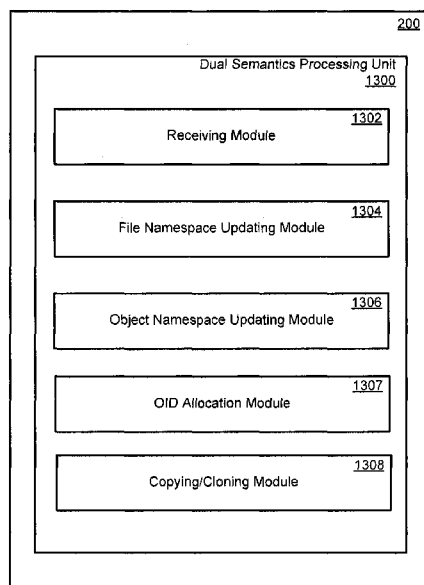




FIG. 13

(57) Abstract: Methods and systems that permit file protocols and object protocols to co-exist using a file namespace and an object namespace in a unified storage system are disclosed. Data stored in the unified storage system are file-objects that preserve the behaviors expected by both file clients and object clients.



INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER		
<i>G06F 12/00(2006.01)i, G06F 3/06(2006.01)1, G06F 15/16(2006.01)1, G06F 9/06(2006.01)1</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 12/00; G06F 15/16; G06F 17/30; G06F 13/14		
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, multi, protocol, nfs, cifs, http and similar terms.		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	US20100094847 A1 (MALAN STEVEN J. et al.) 15 April 2010 See abstract, claims 7,11, paragraphs 29,31,39,40 and figures 1,2.	1, 23 20, 31 2-19, 21, 22, 24-30 , 32, 33
Y A	US20110137966 A1 (SRINIVASAN SUDHIR et al.) 09 June 2011 See paragraphs 6,7,53-56,77 and figures 5,8.	20, 31 1-19, 21, 22, 23-30 , 32, 33
A	US7174399 B2 (AKIRA YAMAMOTO) 06 February 2007 See abstract, column 1, lines 34-55, column 2, lines 8-18, column 3, lines 1-42, column 4, lines 45-65 and figures 1,3.	1-33
A	US7877511 B1 (BERGER MICHAEL A. et al.) 25 January 2011 See abstract, column 1, lines 30-62, column 2, lines 21-35, column 4, lines 32-66, column 5, lines 15-60, column 9, lines 13-51, column 10, lines 37-67 and figures 1,2.	1-33
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<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified) "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 "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 "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 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
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Information on patent family members

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