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(54) Title: ENTERPRISE PERFORMANCE MANAGEMENT SOFTWARE SYSTEM HAVING DYNAMIC CODE GENERATION

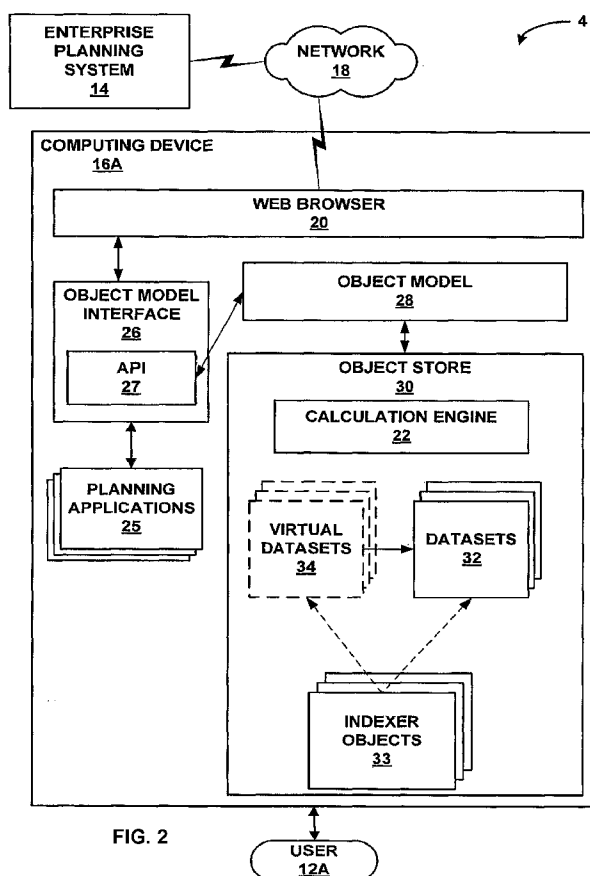


FIG. 2

(57) Abstract: An enterprise software system (14) provides dynamic code generation techniques that facilitate quick and efficient resolution of multi-dimensional data demands. The system includes an object store (30) that stores a first object that references multi-dimensional data and an object model (28) that receives a request for multi-dimensional data referenced by the first object (27). The object model causes the first object to dynamically generate a portion of the executable software instructions for a second object in response to the request and instantiate the second object within the object store (22). The dynamically generated portion of the instructions enables the second object to calculate a memory address (22) into the multi-dimensional data (33) referenced by the first object. The second object utilizes the dynamically generated portion of the instructions to satisfy the request. Because the second object maintains direct access to the multi-dimensional data, it needs not make costly and time consuming function calls to the first object.



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B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 717/108, 717/ALL Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US2006/0020933 (Pasumansky et al.) 26 Jan., 2006 (26.01.2006) Figure 10	1-30
Y	US 2006/0020921 A1 (Pasumansky et al.) 26 Jan, 2006 (26.01.2006) Figure 11	1-30
Y	US 2004/0215626 A1 (Colossi et al.) 28 Oct., 2004 (28.10.2004), page 3-14	1-30
Y	US 20040098712 A1 (Pisupati et al) 20 May 2004, (20.05.2004) paragraph [0060]	1-30
Y	US 6605121 B1 (Stephen C. Roderick) 12 Aug., 2003 (12.08.2003) Figure 3	1-30
Y	US 5,956,483 (Grate et al.) 21 Sep., 1999 (21.09.1999) Summary	1, 13, 26
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