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(54) Title: APPARATUS AND METHOD FOR ORGANIZING AND/OR PRESENTING DATA

(57) Abstract: A three-dimensional graphical user interface (GUI) that enables the navigation of an unstructured list of data elements. The invention has the following features: (a) the data elements are classified within the leaf-nodes of a hierarchical categories node tree; (b) the engine for building the GUI requires only the following two attributes per data element: (i) a text string indicating the category path, and (ii) a URL for accessing the data element; (c) the invention enables implementation of an XML application Program Interface (API); (d) the GUI displays one hierarchical level at a time; (e) all aggregate elements are presented with paths are implied; (f) each level displays all matching sibling category nodes; and (g) any displayed category node can be "drilled-down" to the next lower hierarchical level of the category tree or drilled out to immediately access the data element.

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC(7) : G06F 17/30, 17/00
 US CL : 707/3, 102
 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)
 U.S. : 707/1-6, 100-104.1

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.
X	US 5,924,090 A (KRELLENSTEIN) 13 July 1999, abstract, figures 3a-3c.	1-20
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Y		1-20
Y	US 5,511,186 A (CARHART et al) 23 April 1996, column 4 line 64-column 5 line 18.	1-2
Y	US 6,070,176 A (DOWNS et al) 30 May 2000, abstract, figures 3-4.	3-20
A	US 5,842,218 A (ROBINSON) 24 November 1998, all.	1-20
A	US 5,930,474 A (DUNWORTH et al) 27 July 1999, all	1-20
A	US 6,025,843 A (SKLAR) 15 February 2000, all.	1-20
A	US 6,054,989 A (ROBERTSON et al) 25 April 2000, all.	1-20
A	US 6,085,187 A (CARTER et al) 4 July 2000, all.	1-20

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

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"A" document defining the general state of the art which is not considered to be of particular relevance	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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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,098,066 A (SNOW et al) 01 August 2000, all	1-20
A, P	US 6,223,145 B1 (HEARST) 24 April 2001, all.	1-20
A, P	US 6,278,991 B1 (EBERT) 21 August 2001, all	1-20