

Title (en)

SYSTEM AND METHOD FOR STORING AND ACCESSING DATA IN AN INTERLOCKING TREES DATASTORE

Title (de)

SYSTEM UND VERFAHREN ZUM SPEICHERN VON UND ZUGREIFEN AUF DATEN IN EINEM VERRIEGELTEN BEUMDATENSPEICHER

Title (fr)

SYSTEME ET PROCEDE POUR STOCKER ET ACCEDER A DES DONNEES DANS UNE MEMOIRE DE DONNEES COMPRENANT DES ARBRES INTERVERROUILLES

Publication

**EP 1606723 A4 20061220 (EN)**

Application

**EP 04715724 A 20040227**

Priority

- US 2004005954 W 20040227
- US 38542103 A 20030310
- US 66638203 A 20030919

Abstract (en)

[origin: WO2004081710A2] A tree-based datastore comprising a forest of interconnected trees is generated and/or accessed. The tree-based datastore comprises a first tree that depends from a first root node and may include a plurality of branches. Each of the branches of the first tree ends in a leaf node. Each leaf node may represent an end product, or a subcomponent node. A second root of the same tree-based datastore is linked to each leaf node representing an end product. Finally, the tree-based datastore comprises a plurality of trees in which the root node of each of these trees can be described as an elemental node. The root node of each of these trees may be linked to one or more nodes in one or more branches of the first tree. The nodes of the tree-based datastore contain only pointers to other nodes in the tree-based datastore, and may contain additional fields wherein one such may be a count field. Additionally, means to get probabilities of the coincidence of variables related to particular nodes as identified by desired contexts within one or more defined foci are described. Further, the application of logical operators to queries regarding such variables is shown.

IPC 8 full level

**G06F 17/30** (2006.01); **G06F 17/00** (2006.01)

IPC 8 main group level

**G06F** (2006.01)

CPC (source: EP KR)

**G06F 16/2246** (2018.12 - EP); **G06F 17/00** (2013.01 - KR); **G06F 17/40** (2013.01 - KR)

Citation (search report)

- [A] WO 0146834 A1 20010628 - 1ST DESK SYSTEMS INC [US]
- [A] WO 02063498 A1 20020815 - QINETIQ LTD [GB], et al
- [A] WO 9934307 A1 19990708 - INFODREAM CORP [US], et al
- [A] BURTON F W ET AL: "MULTIPLE GENERATION TEXT FILES USING OVERLAPPING TREE STRUCTURES", COMPUTER JOURNAL, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 28, no. 4, August 1985 (1985-08-01), pages 414 - 416, XP000743642, ISSN: 0010-4620
- See references of WO 2004081710A2

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