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(54) Title: METHOD AND SYSTEM FOR VISUALIZING DOCUMENTS

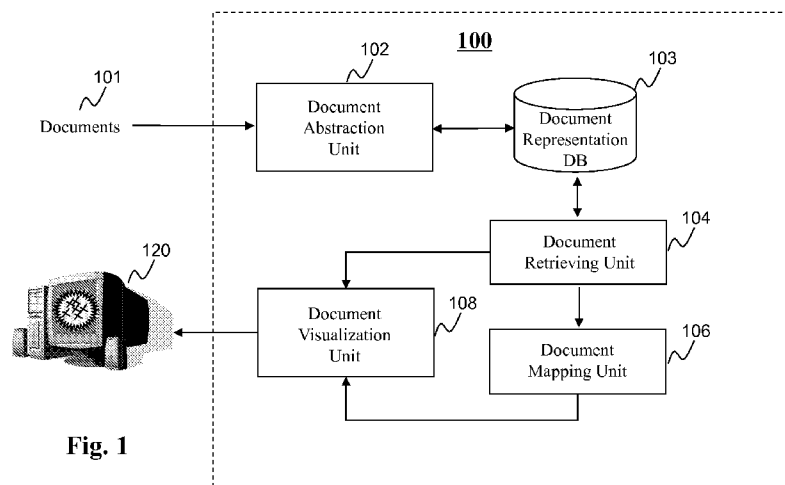
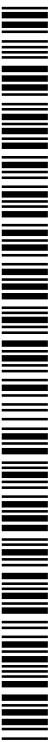


Fig. 1

(57) Abstract: Method and system for visualizing documents. N-dimensional compact representations are obtained for a set of documents. A plurality of documents is retrieved with corresponding N-dimensional compact representations and each of the retrieved documents is associated with one or more concepts. Each retrieved document is projected to a point on a K-dimensional map based on its N-dimensional compact representation so that projected document points in the K-dimensional map maintain the relative distances among the retrieved documents in the N-dimensional space. Regions in the K-dimensional map associated with concepts are identified. A label is generated for each concept in each identified region. Then generated labels are then rendered on the K-dimensional map in a corresponding region identified.



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 14/13711

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 17/21 (2014.01)

CPC - G06F 17/24

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)

IPC (8) - G06F 17/21 (2014.01)

CPC- G06F 17/24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CPC - G06F 3/04883; G06F 3/0488 (See Keywords Below)

USPC - 715/273, 715/853, 715/750, 707/736, 715/781, 715/764, 715/848, 715/850, 707/737

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Patbase; Google Scholar; Google Patents; Gogole.com; Freepatentsonline; ProQuest Dialog

Search Terms: Search, query, retrieve, obtain, document, record, cluster, concept, visualize, display, view, multi dimension, K-dimension, N-dimension, space, region, sub region, point, map, project, distance, generate, query, update, interact, etc..

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| Y | US 2006/0164409 A1 (BORCHARDT et al.), 27 July 2006 (27.07.2006), entire document, especially Abstract; Para [0002], [0030]-[0033], [0036], [0038], [0042]-[0043], [0081] | 1-29 |
| Y | US 2008/0276201 A1 (RISCH et al.), 06 November 2008 (06.11.2008), entire document, especially Abstract; para [0010], [0123], [0171], [0200]-[0201] | 1-29 |
| Y | US 2011/0055203 A1 (GUTT et al.), 03 March 2011 (03.03.2011), entire document, especially Abstract; Para [0015], [0019]-[0021], [0037]]-[0041] | 25-28 |
| A | US 2003/0069873 A1 (FOX et al.), 10 April 2003 (10.04.2003), entire document | 1-29 |
| A | US 2010/0039431 A1 (EVANS), 18 February 2010 (18.02.2010), entire document | 1-29 |

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