

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
7 April 2005 (07.04.2005)

PCT

(10) International Publication Number  
**WO 2005/031514 A3**

(51) International Patent Classification<sup>7</sup>: **G06F 17/30**

(21) International Application Number:  
PCT/US2004/031026

(22) International Filing Date:  
20 September 2004 (20.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
10/669,523 23 September 2003 (23.09.2003) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:  
26 January 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 2005/031514 A3

(54) Title: QUERY OPTIMIZATION IN A MULTI-TENANT DATABASE SYSTEM

(57) Abstract: More efficient querying of a multi-tenant database using dynamic tuning of database indices. A layer of meta-data associates data items with tenants, e.g., via tags, and the meta-data is used to optimize searches by channeling processing resources during a query to only those pieces of data bearing the relevant tenant's unique tag.

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US04/31026

<p><b>A. CLASSIFICATION OF SUBJECT MATTER</b>                  IPC(7) : G06F 17/30                  US CL : 707/2, 3, 4, 5, 8, 9, 10                  According to International Patent Classification (IPC) or to both national classification and IPC</p>														
<p><b>B. FIELDS SEARCHED</b>                  Minimum documentation searched (classification system followed by classification symbols)                  U.S. : 707/2, 3, 4, 5, 8, 9, 10</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)                  ACM</p>														
<p><b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b></p> <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>US 6,587,854 B1 (GUTHRIE et al) 1 July 2003 (1.07.2003), whole document.</td> <td>1-25</td> </tr> <tr> <td>A</td> <td>US 6,275,825 B1 (KOBAYASHI et al) 14 August 2001 (14.08.2001), whole document</td> <td>1-25</td> </tr> <tr> <td>A</td> <td>US 6,529,901 B1 (CHAUDHURI et al) 4 March 2003 (4.03.2003), whole document</td> <td>1-25</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 6,587,854 B1 (GUTHRIE et al) 1 July 2003 (1.07.2003), whole document.	1-25	A	US 6,275,825 B1 (KOBAYASHI et al) 14 August 2001 (14.08.2001), whole document	1-25	A	US 6,529,901 B1 (CHAUDHURI et al) 4 March 2003 (4.03.2003), whole document	1-25
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<p><input type="checkbox"/> Further documents are listed in the continuation of Box C.      <input type="checkbox"/> See patent family annex.</p>														
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Date of the actual completion of the international search 17 October 2005 (17.10.2005)		Date of mailing of the international search report <b>03 NOV 2005</b>												
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201		Authorized officer <i>for Michelle F. Phan</i> Khanh B. Pham Telephone No. (703)746-7240												