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(71) Applicant *(for all designated States except US)*: **SILVER CREEK SYSTEMS, INC.** [US/US]; 361 Centennial Parkway, Suite 230, Louisville, CO 80027 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **GREEN, Edward, A.** [US/US]; 76 Charlou Circle, Englewood, CO 80111 (US). **MARKEY, Kevin, L.** [US/US]; 8853 N. 55th Street, Longmont, CO 80503 (US). **RIVAS, Luis** [US/US]; 8717 E. Frontier, Denver, CO 80237 (US). **KREIDER, Mark** [US/US]; 12419 W. 84th Drive, Arvada, CO 80005 (US). **SHARP, Alec** [US/US]; 855 Park Lane, Boulder, CO 80302 (US).

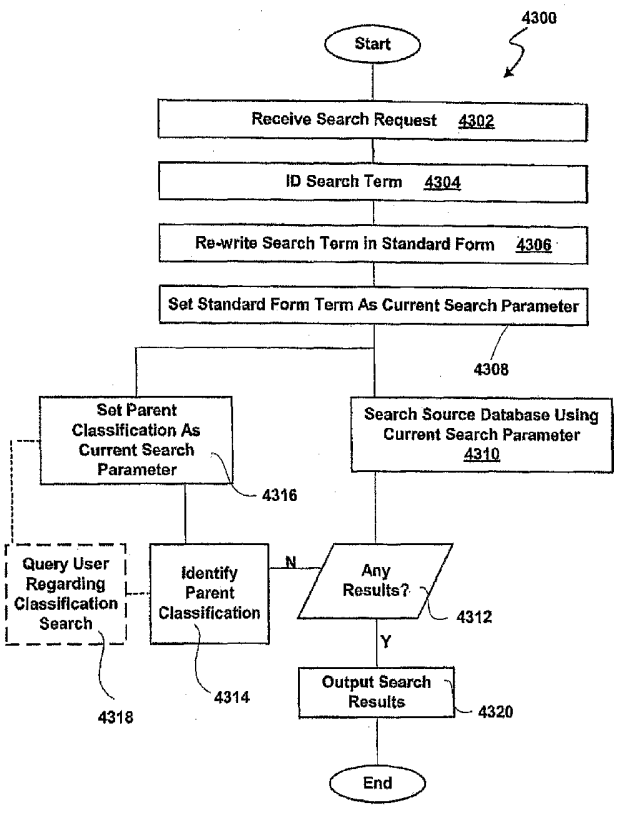
(74) Agent: **MARSH FISCHMANN & BREYFOGLE LLP**; FISCHMANN, Kent, A., 3151 South Vaughn Way, Suite 411, Aurora, CO 80014 (US).

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(54) Title: FUNCTIONALITY AND SYSTEM FOR CONVERTING DATA FROM A FIRST TO A SECOND FORM



(57) Abstract: Various data conversion applications including a search engine employ a semantic metadata model for improved conversion. A search system in this regard associates contextual metadata with search terms and/or stored terms to facilitate identification of relevant information. In one implementation, a search term is identified (4304) from a received search request. The search term is then rewritten (4306) in standard form and the standard form term is then set (4308) as the current search parameter. A source database is then searched (4310) using the current search parameter. If any results are obtained (4312) these results may be output (4320) to the user. If no results are obtained, a parent classification of the search term is set (4316) as the current search parameter and the process is repeated. The invention thereby provides the ease of use of term searching with the comprehensiveness of category searching.

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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, IS, IT, LT, LU, LV, 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).

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/31303

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - G06F 17/28
USPC - 704/3
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. : 716/7,8,19,21; 430/5; 704/3; 709/246,218,219; 707/3; 715/501.1; 719/328; 717/142; 341/60, 89

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

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

PUBWEST--PGPB, USPT, EPAB, and JPAB--searched data, conver$, translat$, exchange, source, start, first, target, end, second, logic, model, associat$, overlap, subject matter, classif$, input, knowledge, output, schema, context, processor, heirarch$

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0037173 A1 (PACE et al.) 20 February 2003 (20.02.2003) see paragraphs 30, 77, 104, 109, 114, 177, 178, 180, 181, 187, 328, 355, 372, 382, 389, 403, 468, 794, and claim 1	1-7, 10-11, 28-31, and 41-43
X	US 2004/0059705 A1 (WITTKE et al.) 25 March 2004 (25.03.2004) see paragraphs 46, 67, 95, 110, 262, 265, 268, 270, 278, 284, 291, 296, 341, and figures 14A and 14B	12-21 and 23-27
A, E	US 2005/0288920 A1 (GREEN et al.) 29 December 2005 (29.12.2005) see entire document	1-43
A,	US 4,141,005 A (BONNER et al.) 20 February 1979 (20.02.1979) see entire document	1-43

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

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Date of the actual completion of the international search	Date of mailing of the international search report
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