PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : G06F 17/30 — A1

(11) International Publication Number: WO 00/26821

(43) International Publication Date: 11 May 2000 (11.05.00)

(21) International Application Number: PCT/US99/25938

(22) International Filing Date: 3 November 1999 (03.11.99)

(30) Priority Data:
09/185,366 3 November 1998 (03.11.98) US

(71) Applicant *(for all designated States except US)*: PLATINUM TECHNOLOGY, INC. [US/US]; One Computer Associates Plaza, Islandia, NY 11749 (US).

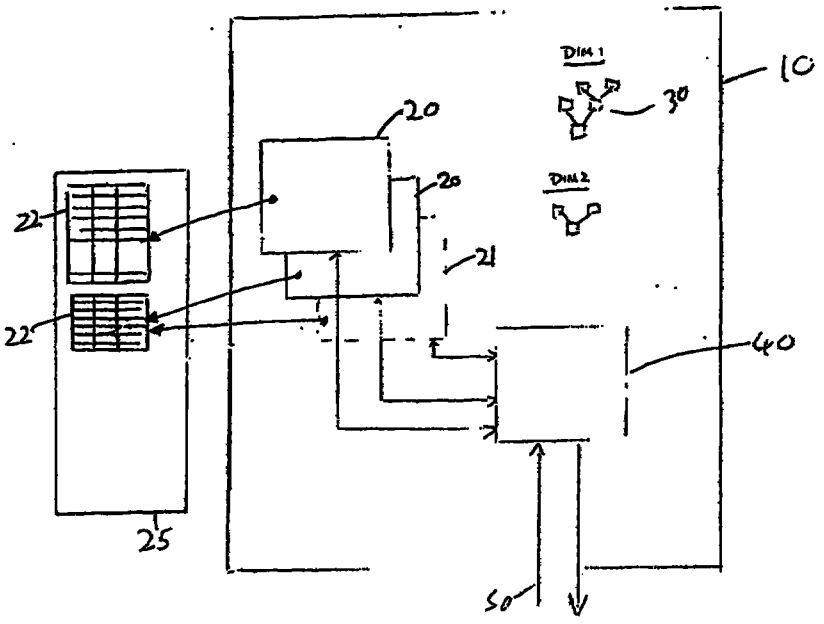
(71)(72) Applicant and Inventor: ROGERS, James, P. [US/US]; 7800 Equitable Drive, Suite 200, Eden Prairie, MN 55344 (US).

(74) Agent: JOHNSTON, R., Blake; Rudnick & Wolfe, 203 North Lasalle Street, Chicago, IL 60601 (US).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, 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, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published
With international search report.
Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: METHOD AND APPARATUS FOR POPULATING SPARSE MATRIX ENTRIES FROM CORRESPONDING DATA



(57) Abstract

A system is provided for selecting an appropriate aggregated fact data table (20) to use as the basis for calculating an aggregation request from a set of stored aggregated fact data tables (22). An estimate is established of the amount of processing time required to aggregate each of the tables. The table with the lowest estimate is then used to perform the aggregation.