**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 00/41100 |
|---|---|---|
| | | (43) International Publication Date: 13 July 2000 (13.07.00) |

(21) International Application Number: PCT/US00/00276

(22) International Filing Date: 6 January 2000 (06.01.00)

(30) Priority Data:
09/226,939 8 January 1999 (08.01.99) US

(71) Applicant: COMPUTER ASSOCIATES THINK, INC. [US/US]; One Computer Associates Plaza, Islandia, NY 11749 (US).

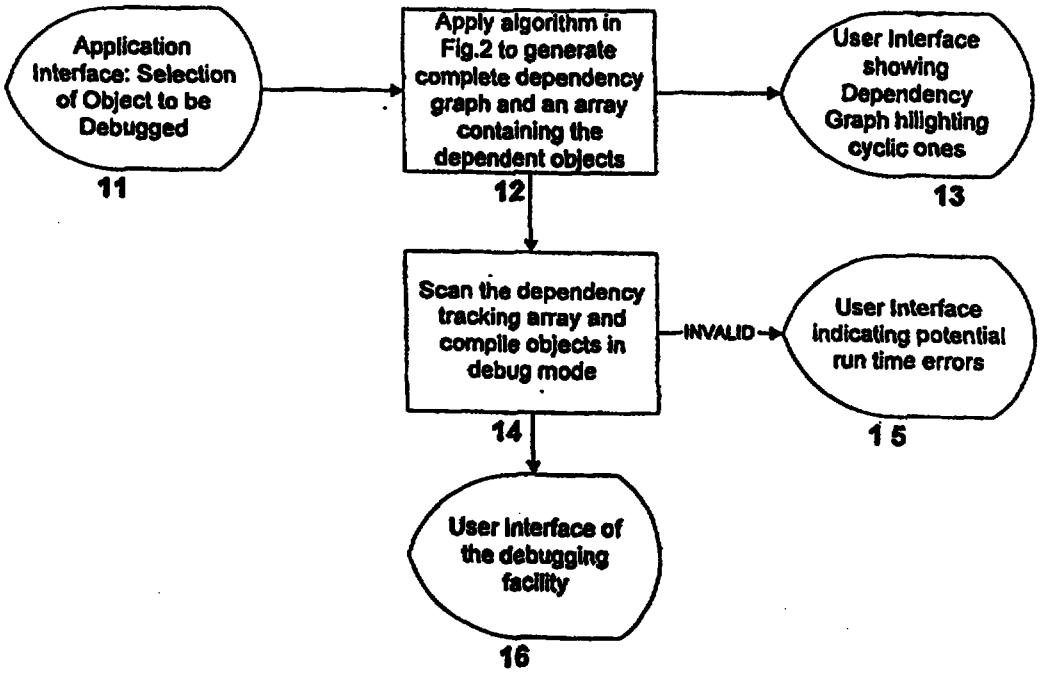
(72) Inventors: VINCENT, John, K.; 200 Shoreline Court, Richmond, CA 94804 (US). CHERNY, Igor; 775 26th Avenue, San Francisco, CA 94121 (US).

(74) Agents: FLIESLER, Martin, C. et al.; Fliesler Dubb Meyer and Lovejoy LLP, Four Embarcadero Center, Suite 400, San Francisco, CA 94111-4156 (US).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, 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, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, 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.*

(54) Title: SYSTEM AND METHOD FOR RECURSIVE PATH ANALYSIS OF DBMS PROCEDURES




(57) Abstract

A system, method and database development tools are disclosed for automatically generating the complete dependency graph (12) for use in debugging stored code objects (11) in a database, by using a recursive dependency tracking algorithm (14) which takes into consideration the indirect dependencies (15) on triggers as well as the dependencies on implementations of object oriented code objects which are represented as separate objects in the database catalog.