(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
21 November 2002 (21.11.2002)

PCT

(10) International Publication Number
WO 02/093367 A1

(51) International Patent Classification[7]: G06F 9/44

(21) International Application Number: PCT/US02/14933

(22) International Filing Date: 10 May 2002 (10.05.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/290,203 11 May 2001 (11.05.2001) US

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

(72) Inventors: TONDREAU, David; 8519 Quaint Lane, Vienna, VA 22182 (US). MAHONY, John; 47108 Kentwell Place, Sterling, VA 20165 (US).

(74) Agents: JAWORSKI, Richard, F. et al.; Cooper & Dunham LLP, 1185 Avenue of the Americas, New York, NY 10036 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, 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, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, 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 receipt of amendments*

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 02/093367 A1

(54) Title: METHOD AND SYSTEM FOR TRANSFORMING LEGACY SOFTWARE APPLICATIONS INTO MODERN OBJECT-ORIENTED SYSTEMS

(57) Abstract: A system and method for transforming a procedural program having procedural language code into an object-oriented program, comprises scanning the procedural language code and creating a map based on the scanned procedural language code, storing the scanned procedural language code as intermediate code, processing at least a segment of the procedural language code using the map, creating a first data structure using the processed segment, modifying the intermediate code based on the first data structure and generating an object-oriented program having an object class based on the modified intermediate code.