(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 17 July 2003 (17.07.2003)

PCT

(10) International Publication Number WO 2003/058399 A3

(51) International Patent Classification⁷:

G06F 12/00

(21) International Application Number:

PCT/US2002/041506

(22) International Filing Date:

27 December 2002 (27.12.2002)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/344,413

28 December 2001 (28.12.2001) US

(71) Applicant: SV TRYCOS, LLC [US/US]; 2401 Internet Blvd., Suite 201, Frisco, TX 75034 (US).

(71) Applicants and

(72) Inventors: NWAFOR, John, I. [US/US]; 3705 Sam Rayburn Trail, Dallas, TX 75287 (US). MGBOKWEE, Chijoke [US/US]; 2501 Ohio Drive, Apt. 625, Plano, TX 75093 (US).

(74) Agent: MOORE, Stanley, R.; Jenkens & Gilchrist, P.C., Suite 3200, 1445 Ross Avenue, Dallas, TX 75202 (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, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

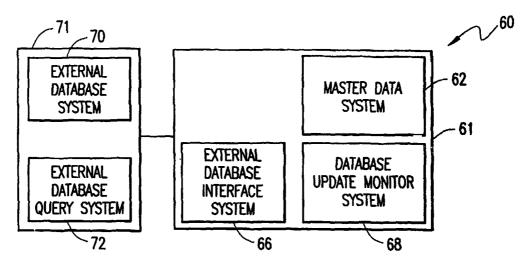
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, 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
- (88) Date of publication of the international search report: 23 September 2004

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.

(54) Title: METHOD AND SYSTEM FOR ADAPTIVE SOFTWARE SYSTEM INTERFACE AND EXTERNAL DATABASE SYNCHRONIZATION



(57) **Abstract:** Method and system for interfacing with one or more business systems having different data formats and different data entry states using a single interface system (60), and for synchronizing a database (62) of a large business system, such as an enterprise resource planning system (61) that does not itself provide for database synchronization functionality, with an external database (70).

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/41506

| A. CLASSIFICATION OF SUBJECT MATTER | | | | | | |
|---|---|---|-----------------------------------|--|--|--|
| IPC(7) : G06 F 12/00 US CL : 707/203 | | | | | | |
| | 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.: Please See Continuation Sheet | | | | | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched | | | | | | |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) google.com; citeseer.com; ACM/IEEE; EAST/WEST; DERWENT | | | | | | |
| | UMENTS CONSIDERED TO BE RELEVANT | | | | | |
| Category * | Citation of document, with indication, where a | | Relevant to claim No. | | | |
| X | US 6,256,676 B1(TAYLOR et al) 3 July 2001 (03. | 07.2001), col. 2-32; Fig. 1-18. | 1, 3-6 | | | |
| Y | | | 2,7,11,14 | | | |
| erroran viđer, Luce | proper in the reference of the register of the respective of the second | Surfriends Stumpers Co. 1 1980 pp. 1980 | e fishes believe the same | | | |
| Y | US 5,844,554 A (GELLER et al) 1 December 1998 corresponding text. | 8 (01.12.1998), Fig. 12-32 and | 7-14 | | | |
| Y | US 6,321,205 B1 (EDER) 20 November 2001 (20 | 0.11.2001), ALL. | 2 | | | |
| Y | US 5,734,818 A (KERN et al) 31 March 1998 (31.03.1998), ALL. | | 8-14 | | | |
| A | US 2001/0047372 A1 (GORELIK et al) 29 November 2001(29.11.2001), ALL. | | 1-7 | | | |
| A | US 6,094,688 A (MELLEN-GARNETT et al) 25 July 2000(25.07.2000), ALL. | | 1-7 | | | |
| A, E | 6,675,178 B1(CHINCHAR et al) 6 January 2004 (06.01.2004), ALL. | | 1-7 | | | |
| A | US 6,332,163 B1 (BOWMAN-AMUAH) 18 December 2001(18.12.2001), ALL. | | 1-7 | | | |
| Further | documents are listed in the continuation of Box C. | See patent family annex. | | | | |
| * S | pecial categories of cited documents: | "T" later document published after the inter | rnational filing date or priority | | | |
| | defining the general state of the art which is not considered to be | date and not in conflict with the applic principle or theory underlying the inve | ation but cited to understand the | | | |
| "E" earlier ap | plication or patent published on or after the international filing date | "X" document of particular relevance; the considered novel or cannot be consider when the document is taken alone | | | | |
| | which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as | "Y" document of particular relevance; the considered to involve an inventive step | | | | |
| "O" document | referring to an oral disclosure, use, exhibition or other means | combined with one or more other such being obvious to a person skilled in the | | | | |
| "P" document published prior to the international filing date but later than the priority date claimed | | "&" document member of the same patent f | amily | | | |
| Date of the actual completion of the international search | | Date of mailing of the international sear | ch report | | | |
| | (25.06.2004) | 15 JUL 2004 | | | | |
| Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US | | Authorized officer | La R- riegen | | | |
| Commissioner for Patents P.O. Box 1450 | | Kakali Chaki | | | | |
| Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230 | | Telephone No. (703) 305-3900 | | | | |

Form PCT/ISA/210 (second sheet) (July 1998)

| PCT/US02/41506 |
|----------------|
|----------------|

INTERNATIONAL SEARCH REPORT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No |
|------------|--|----------------------|
| A, E | US 6,643,652 B2 (HELGESON et al) 4 November 2003 (04.11.2003), ALL. | 1-7 |
| A, P | US 2002/0120859 A (LIPKIN et al) 29 August 2002 (29.08.2002), ALL. | 1-7 |
| | | |
| | | |
| | | |
| 'n | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| 172 | | |
| | | |
| | | |
| | | |
| | | |
| ; | | |
| | | |

Form PCT/ISA/210 (second sheet) (July 1998)

| INTERNATIONAL SEARCH REPORT | PCT/US02/41506 |
|---|---------------------------------------|
| | |
| | |
| Continuation of B. FIELDS SEARCHED Item 1: 707/201-202, 2,4,10, 103,100, 201 - G06 F 7/00; 717/169,177 - G06 F 9/44, 9/445; 705/1,7,8,37 - G06 F 17/60 709/231,246 - G06 F 15/16; 345/744 - G09 G 5/00; 719/310 - G06 F 9/46; 715/514 - G06 F 15/00 | · · · · · · · · · · · · · · · · · · · |
| | · |
| | |
| | |
| | |

Form PCT/ISA/210 (second sheet) (July 1998)