

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

(19) World Intellectual Property Organization
International Bureau



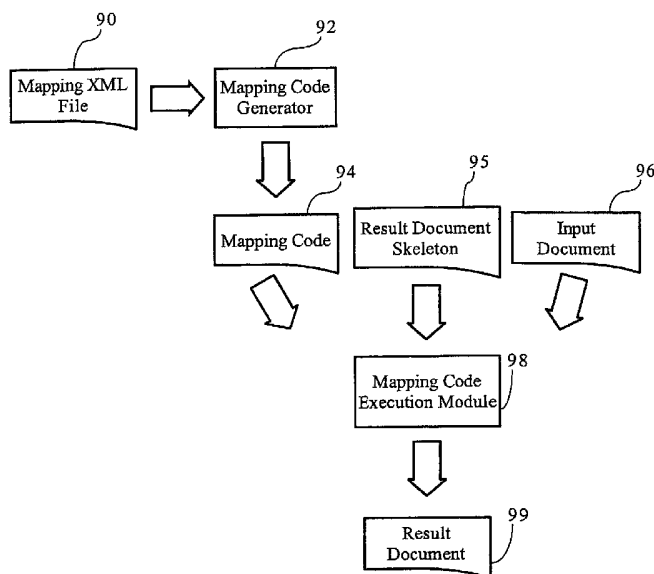
(43) International Publication Date
30 January 2003 (30.01.2003)

PCT

(10) International Publication Number
WO 03/009517 A3

- (51) International Patent Classification⁷: **G06F 5/00**
- (21) International Application Number: PCT/US02/23094
- (22) International Filing Date: 19 July 2002 (19.07.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/306,538 19 July 2001 (19.07.2001) US
Not furnished 18 July 2002 (18.07.2002) US
- (71) Applicant: **BLUE TITAN SOFTWARE, INC.** [US/US];
c/o Frank Martinez, 85 Bluxomes Street, Suite 301, San Francisco, CA 94107 (US).
- (72) Inventor: **DARUGAR, Parand, Tony**; 13736 Sorbonne Ct., San Diego, CA 92128 (US).
- (74) Agent: **SPOLYAR, Mark, James**; Law Office of Mark J. Spolyar, 38 Fountain St., San Francisco, CA 94114 (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, 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, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, 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
- (88) Date of publication of the international search report:
27 November 2003
- 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: GENERATE CUSTOMIZED XML MAPPING CONVERSION CODE



(57) **Abstract:** Facilitating mapping of elements from a first XML format (96) to a second XML format (99) using an interface that allows a user to associate elements from the first format (96) to the second format (99). In some embodiments, a mapping can cause a direct transfer of a value in an input document (96) to an output document (99). Maps (94) can also be augmented with textual strings and scripts, for example, that can save a value from a first file format to a variable that can be accessed by another script, or save a value in association with a result tag in the second file format. A single tag from the first format can be mapped to multiple tags from the second format, multiple tags from the first format (96) can be mapped to a single tag in the second format (99), and a single tag in the first format (96) can be mapped multiple times to a single tag in the second format (99).



WO 03/009517 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/23094

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : GO6 F 5/00
 US CL : 707/501.1, 513, 522-523

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. : 707/501.1, 513, 522-523

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)
 USPAT, USPG-PUB, EPO, JPO, DERWENT, IBM TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,655,130 A (DODGE et al) 05 August 1997, column 4, lines 1-28.	1-23
A	US 6,038,573 A (PARKS) 14 March 2000, column 3, lines 1-67, column 4, lines 1-61.	1-23
A	US 6,230,173 A (FERREL et al) 08 May 2001, column 3, lines 40-67, column 5, lines 1-32.	1-23
A	US 6,226,675 A (MELTZER et al) 01 May 2001, column 2, lines 32-67, column 6, lines 1-67, column 7, lines 1-67, column 8, lines 1-27.	1-23
A	US 6,085,196 A (MOTOYAMA et al) 04 July 2000, column 3, lines 26-67, column 4, lines 1-67.	1-23
A	Conversion of Structured Documents for Filing, IBM TDB, August 1988, Vol 31, No 3, pp. 30-31	1-23
A	Publishing Documents based on Word Processing Markup, IBM TDB, January 1990, Vol 32, No 8B, pp. 55-57	1-23

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search
 18 November 2002 (18.11.2002)

Date of mailing of the international search report
27 JAN 2003

Name and mailing address of the ISA/US
 Commissioner of Patents and Trademarks
 Box PCT
 Washington, D.C. 20231
 Facsimile No. (703)305-3230

Authorized officer
 STEPHEN HONG *Stephen Hong*
 Telephone No. (703) 305-3900