(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 12 May 2005 (12.05.2005)

PCT

(10) International Publication Number WO 2005/043342 A3

- (51) International Patent Classification: *G06F 15/00* (2006.01)
- (21) International Application Number:

PCT/US2004/036420

(22) International Filing Date:

1 November 2004 (01.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10/701,369

3 November 2003 (03.11.2003) U

- (71) Applicant (for all designated States except US): INTENTIONAL SOFTWARE CORPORATION [US/US]; 500 108th Ave. NE #1050, Bellevue, Washington 98004 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): SIMONYI, Charles [US/US]; 111 84th Ave. NE, Medina, Washington 98039 (US).
- (74) Agents: PIRIO, Maurice et al.; P.O. Box 1247, Seattle, WA 98111-1247 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

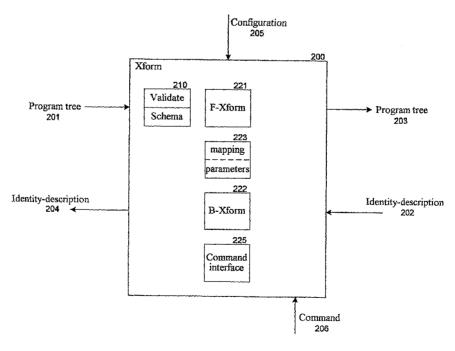
Published:

with international search report

(88) Date of publication of the international search report: 8 February 2007

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 REVERSIBLE DESIGN TREE TRANSFORMATIONS



(57) Abstract: A method and system for transforming versions of a design tree and transforming identity-descriptions (202, 204) relating to the versions of a design tree. The transformation system provides a pipeline of transforms for sequentially transforming versions of a design tree and transforming identity-descriptions (202, 204) relating to the versions of the design tree. Each transform may provide a command interface (225) for manipulating the input version of the design tree or for setting parameters to control the transformations of a transform.





INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/36420

A. CLASSIFICATION OF SUBJECT MATTER IPC: G06F 15/00(2006.01)			
11 C, GOOF 15/100(2000.01)			
USPC: 715/513,853;717/10,113			
According to International Patent Classification (IPC) or to both national classification and IPC			
146.36			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 715/513, 853; 717/10, 113			
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) ACM Database			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
Y	US 5,790,863 A (SIMONYI), 04 August 1998 (04.08	8,1998), col. 3, lines 40-60, figure 2.	1-21
A, P	US 6,792,595 B1 (STORISTENAU et al) 14 September 2004 (14.09.2003), general disclosure		1-21
Y	US 6,466,240 B1 (MASLOV) 15 October 2002 (15.10.2002), fig. 1, col. 4, lines 20-60.		1-21
		 	· · · · ·
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			
•	defining the general state of the art which is not considered to be of	date and not in conflict with the applicate principle or theory underlying the inventory	tion but cited to understand the
particular relevance "X" document of particular relevance; the claimed invention cannot			
"E" earlier app	olication or patent published on or after the international filing date	considered novel or cannot be considered when the document is taken alone	
"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)		"Y" document of particular relevance; the cl considered to involve an inventive step with one or more other such documents	when the document is combined
"O" document	referring to an oral disclosure, use, exhibition or other means	obvious to a person skilled in the art	
priority date claimed		"&" document member of the same patent family	
Date of the actual completion of the international search Da		Date of mailing of the international search report	
	2006 (24.09.2006)	Authorized officer	4.0
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US		Authorized officer Heather Herndon	
Commissioner for Patents P.O. Box 1450		· · · · · · · · · · · · · · · · · · ·	
Alexandria, Virginia 22313-1450 Telephone No. N/A			
Facsimile No. (571) 273-3201			

Form PCT/ISA/210 (second sheet) (April 2005)