

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
7 April 2005 (07.04.2005)

PCT

(10) International Publication Number
WO 2005/031498 A3

- (51) International Patent Classification:
G06F 17/24 (2006.01) **G06F 17/22** (2006.01)
- (21) International Application Number:
PCT/SG2003/000235
- (22) International Filing Date: 1 October 2003 (01.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): **VIBRA-SOFT PTE. LTD.** [SG/SG]; 49 Jalan Besar Road, Singapore 208805 (SG).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **LUO, Wenqiang** [SG/SG]; Apt. Blk. 461, Hougang Avenue 10 #06-978, Singapore 530461 (SG).
- (74) Agent: **GREENE-KELLY, James, Patrick**; Lloyd Wise, Tanjong Pagar, P.O. Box 636, Singapore 910816 (SG).
- (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, 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, 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 (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, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

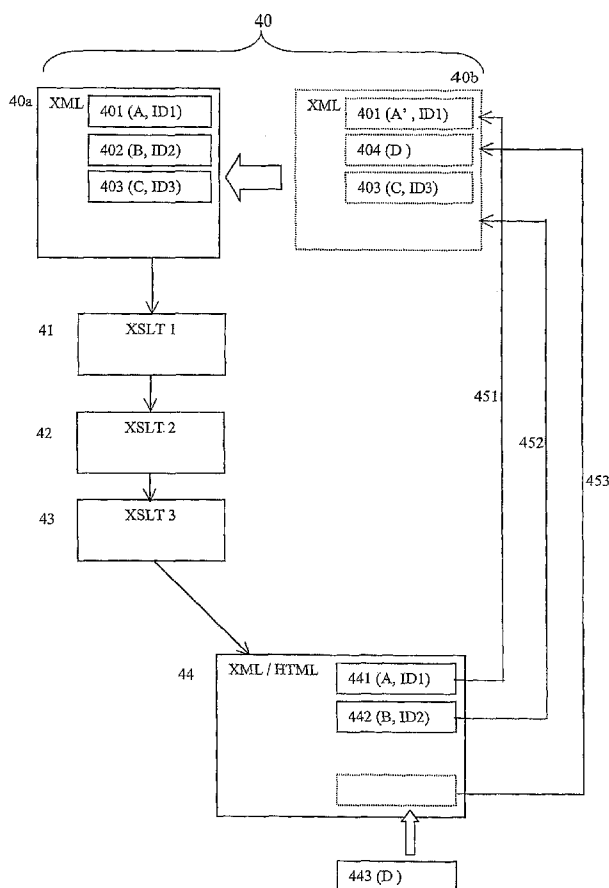
— of inventorship (Rule 4.17(iv)) for US only

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

[Continued on next page]

(54) Title: A METHOD OF UPDATING A DATA SOURCE FROM TRANSFORMED DATA



(57) Abstract: The invention discloses an apparatus and a method for identifying nodes in a node-based data source, the apparatus being unique node identifiers, or series of unique node identifiers. The identifiers remain unchanged despite transformations of the data source. Any modification made to data derived from the transformations is also effected at the data source by means of the identifiers, the identifiers mapping the data in the transformed version of the data source to the data in the data source.

WO 2005/031498 A3



(88) Date of publication of the international search report:

23 March 2006

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.