

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 December 2000 (21.12.2000)

PCT

(10) International Publication Number
WO 00/77594 A3

(51) International Patent Classification⁷: **G06F 15/16**

(21) International Application Number: PCT/US00/16113

(22) International Filing Date: 12 June 2000 (12.06.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/329,769 10 June 1999 (10.06.1999) US

(71) Applicant: **EC-ENABLER LTD.** [US/US]; 300 East 51st Street, #11A, New York, NY 10022 (US).

(72) Inventor: **HUGHES, Marvin, E.**; Apt. 5L, 27 Claremont Avenue, Mt. Vernon, NY 10550 (US).

(74) Agents: **MCKENNEY, Charles, E.** et al.; Pennie & Edmonds LLP, 1155 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, CA, CH, CN, CR, CU, CZ, DE,

DK, DM, DZ, 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, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

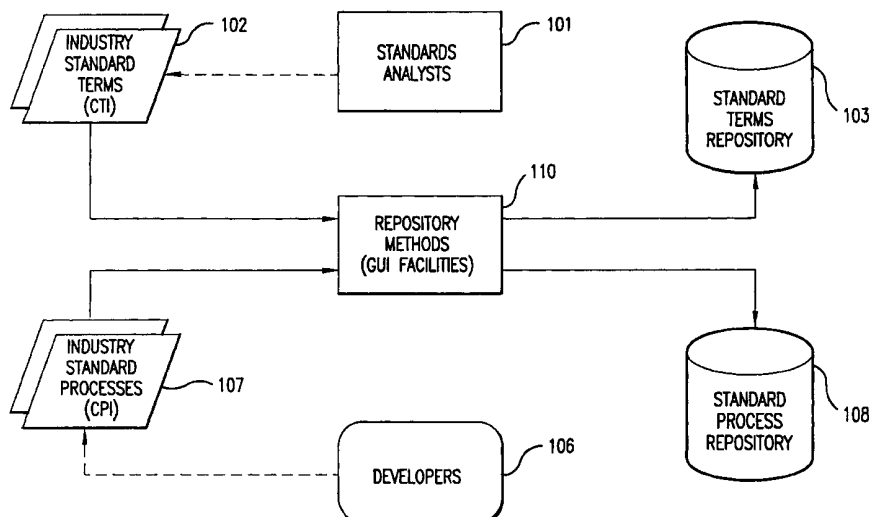
Published:

- 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:
8 March 2001

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: A METHOD AND SYSTEM FOR TRANSFERRING INFORMATION BETWEEN ONE COMPUTER APPLICATION TO ANOTHER



(57) Abstract: A method and system for application-to-application data exchange which provides data conversion from the format of a source application to the format of a target application upon receipt of data by the target application. To achieve compatibility among applications exchanging data, the preferred system uses a standard set of terms and process names for building metadata packets that inform both applications as to their respective data representation. A metadata packet includes a standard name and application specific data format, as well as an optional associated process name. The source metadata employs repository of standard terms (103) and standard process repository (108) that enable applications having incompatible names and data formats to communicate with each other without converting their data structures at the source application to a different format.

WO 00/77594 A3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US00/16113

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :GO6F 15/16

US CL :709/201, 246; 707/10; 705/1

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. : 709/201, 246; 707/10; 705/1

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)

Please See Extra Sheet.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,970,490 A (MORGENSTERN) 19 OCTOBER 1999, FIGURES 1 AND 2, COL. 3, LINES 7-34, COL. 3, LINES 50-67, COL. 4, LINES 1-67, COL. 5, LINES 9-67, COL. 13, LINES 39-67, COL. 14, LINES 1-67	1-43
Y,E	US 6,078,924 A (AINSBURY et al) 20 JUNE 2000, COL. 4, LINES 2-67, COL. 5, LINES 1-55, COL. 6, LINES 20-67, COL. 7, LINES 1-67, COL. 18, TABLE 1, COL. 50, TABLE 32, COLL. 51, LINES 1-67	1-43
Y, P	US 6,088,717 A (REED et al) 11 JULY 2000, COL. 14, LINES 20-67, COL. 16, LINES 35-67, COL. 20, LINES 55-67, COL. 21, LINES 1-36, COL. 42, LINES 30-67	1-43

☒ 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 document 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

11 DECEMBER 2000

Date of mailing of the international search report

29 DEC 2000

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

MARK RINEHART

Telephone No. (703) 305-4815

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US00/16113

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,044,205 A (REED et al) 28 MARCH 2000, ABSTRACT, FIGURES 1, 9, AND 12, COL. 1, LINES 8-67, COL. 4, LINES 3-67	
Y	US 5,862,325 A (REED et al) 19 JANUARY 1999, FIGURES 20, 28, 30, COL. 14, LINES 15-65, COL. 15, LINES 1-62	1-43
Y, P	US 6,112,181 A (SHEAR et al) 29 AUGUST 2000, ABSTRACT, FIGURES 15, 15A, 15B, 16A-16C, 27A-27B, 30,	1-43

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US00/16113

B. FIELDS SEARCHED

Electronic data bases consulted (Name of data base and where practicable terms used):

EAST, INTERNET

search terms: metadata, database, repository, source, analyze, convert, format, transform, data source, integrate, packets, target, examine