

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 December 2004 (09.12.2004)

PCT

(10) International Publication Number
WO 2004/107216 A3

(51) International Patent Classification⁷: **G06F 9/46**, 17/60

(21) International Application Number:
PCT/US2004/016174

(22) International Filing Date: 21 May 2004 (21.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/473,323 23 May 2003 (23.05.2003) US

(71) Applicant (for all designated States except US): **COM-
PUTER ASSOCIATES THINK, INC.** [US/US]; One
Corporate AssociateS Plaza, Islandia, NY 11749 (US).

(72) Inventor: **TCHEREVIK, Dmitri**; 22 Maple Road, Se-
tauket, NY 11733 (US).

(74) Agents: **JAWORSKI, Richard, F.** et al.; Cooper & Dun-
ham LLP, 1185 Avenue of the Americas, New York, NY
10036 (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, 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).

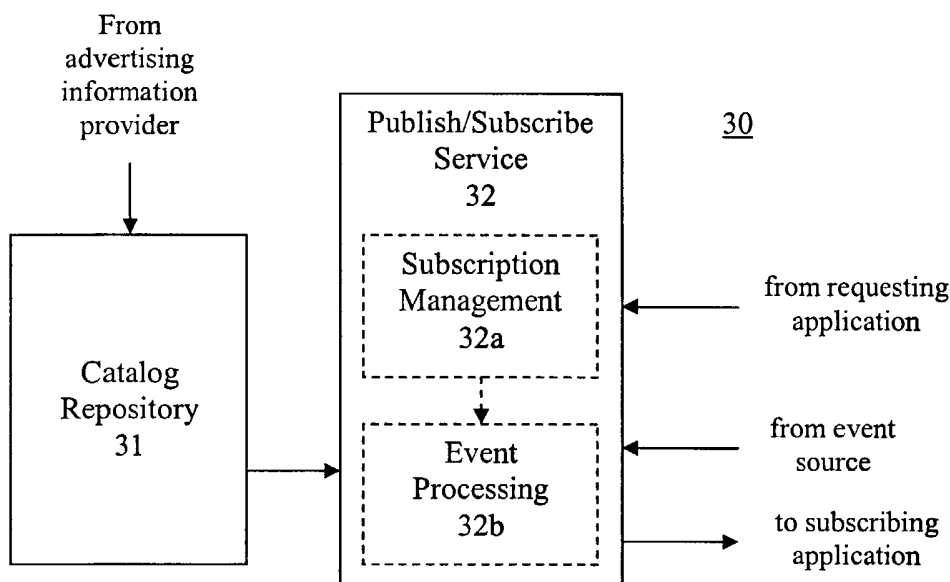
Published:

- with international search report
- 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:
10 February 2005

[Continued on next page]

(54) Title: A PUBLISH/SUBSCRIBE MECHANISM FOR WEB SERVICES



(57) Abstract: A method for managing events in a web service environment is provided. A request for a subscription to desired events in an event class in an associated catalog namespace of a catalog repository is received from a subscribing application. The subscription request includes an event filter to select the desired events from plurality of events described by the event class. An event which is received from a web event source and described by the event class is processed through the event filter. If the received event matches the event filter, the received event is forwarded to the subscribing application through an event listener associated with the subscribing application.



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.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/016174

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F9/46 G06F17/60

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)

IPC 7 G06F

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 practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TCHEREVIK D: "A publish/subscribe mechanism for Web services: extending an existing broker" WEB SERVICES JOURNAL, 'Online! vol. 03, no. 02, February 2003 (2003-02), XP002306218 Retrieved from the Internet: URL: http://www.findarticles.com/p/articles/mi_mOMLV/is_2_3/ai_97467592> 'retrieved on 2004-11-17! the whole document ----- -/--	1-18

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *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)
- *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

- *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
- *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
- *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.
- *Z* document member of the same patent family

Date of the actual completion of the international search

18 November 2004

Date of mailing of the international search report

21/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Siodmok, W

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/016174

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/093403 A1 (UPTON MITCH) 15 May 2003 (2003-05-15) abstract paragraph '0034! paragraph '0037!; figure 1 paragraph '0047! paragraph '0050! paragraph '0074! paragraphs '0088! - '0097!; figures 3,4 -----	1-18

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/016174

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003093403 A1	15-05-2003	EP 1444609 A1	11-08-2004
		WO 03034228 A1	24-04-2003
		WO 03044661 A1	30-05-2003
		WO 03034285 A1	24-04-2003
		WO 03034182 A2	24-04-2003
		WO 03034183 A2	24-04-2003
		WO 03034219 A1	24-04-2003
		US 2003079029 A1	24-04-2003
		US 2003182452 A1	25-09-2003
		US 2003093402 A1	15-05-2003
		US 2003110315 A1	12-06-2003
		US 2003093575 A1	15-05-2003
		US 2003097574 A1	22-05-2003
		US 2003097345 A1	22-05-2003
		US 2003145047 A1	31-07-2003
		US 2003093470 A1	15-05-2003
		US 2003105884 A1	05-06-2003
		US 2003093471 A1	15-05-2003