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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
27 June 2013 (27.06.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/091926 A2

(51) International Patent Classification:
G06F 17/30 (2006.01)

(21) International Application Number:
PCT/EP2012/070318

(22) International Filing Date:
12 October 2012 (12.10.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11306756.5 22 December 2011 (22.12.2011) EP

(71) Applicant: **AMADEUS** [FR/FR]; 485 Route du Pin Montard, Sophia Antipolis, F-06410 Biot (FR).

(72) Inventors: **GOLE, Remy**; Lotissement Le Riou, 91E, avenue Pierre Ziller, F-06130 Grasse (FR). **DUCOL, Benoit**; 47 avenue Pasteur, F-06600 Antibes (FR). **TRAINA, Marc**; 330 chemin du collet, F-06690 Tourrette-Levens (FR).

(74) Agent: **DE ZEEUW, Johan Diederick**; Murgitroyd & Company, Immeuble Atlantis, 55 Allée Pierre Ziller, CS50105, F-06902 Valbonne Sophia Antipolis (FR).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

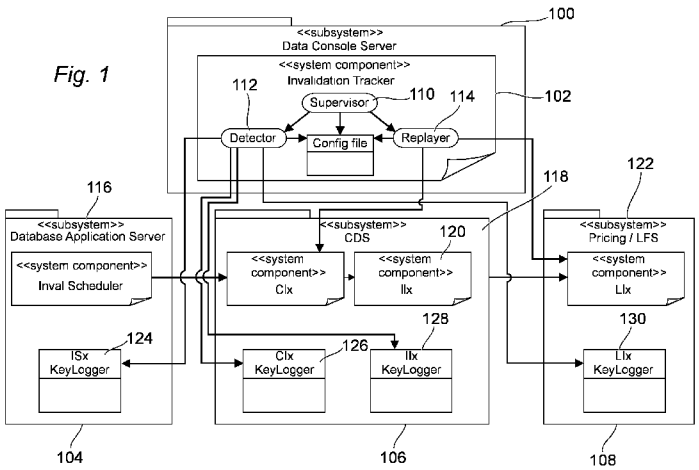
(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*

(54) **Title**: METHOD AND SYSTEM FOR MESSAGE TRACKING AND CHECKING

Fig. 1



(57) **Abstract**: An invalidation tracker system for tracking messages in a caching architecture of a pricing and shopping platform, wherein the caching architecture includes a number of levels, in which each level comprises one or more servers, in which invalidation messages are communicated from one level to another in order to send invalidation messages to all servers in the caching architecture, and wherein the invalidation tracker system receives data from provider databases to be communicated to the servers in the caching architecture; wherein the invalidation tracker system includes: a recording module for recording all invalidation messages communicated to the servers in the caching architecture to form a set of sent invalidation messages; an analysing module for determining the invalidation messages received at each server in the caching architecture and comparing this with the set of sent invalidation messages to identify one or more undelivered invalidation messages; a replay module for resending the one or more identified undelivered invalidation messages to an appropriate server in the caching architecture.

WO 2013/091926 A2