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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
21 November 2002 (21.11.2002)

PCT

(10) International Publication Number
WO 02/093377 A1

(51) International Patent Classification[7]: G06F 11/30, 15/173, 15/16

(21) International Application Number: PCT/US01/46648

(22) International Filing Date: 4 December 2001 (04.12.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/853,164 10 May 2001 (10.05.2001) US

(71) Applicant: INTERNATIONAL BUSINESS MACHINES CORPORATION [US/US]; New Orchard Street, Armonk, NY 10504 (US).

(72) Inventors: GILES, James, Ryan; 1870 Baldwin Road, Unit 27, Yorktown Heights, NY 10598 (US). SAILER, Reiner; 1001 Barberry Road, Yorktown Heights, NY 10598 (US). VERMA, Dinesh, Chandra; 56 Kisco Park Drive, Mount Kisco, NY 10549 (US).

(74) Agent: TUCHMAN, Ido; 69-60 108th Street, Suite 503, Forest Hills, NY 11375 (US).

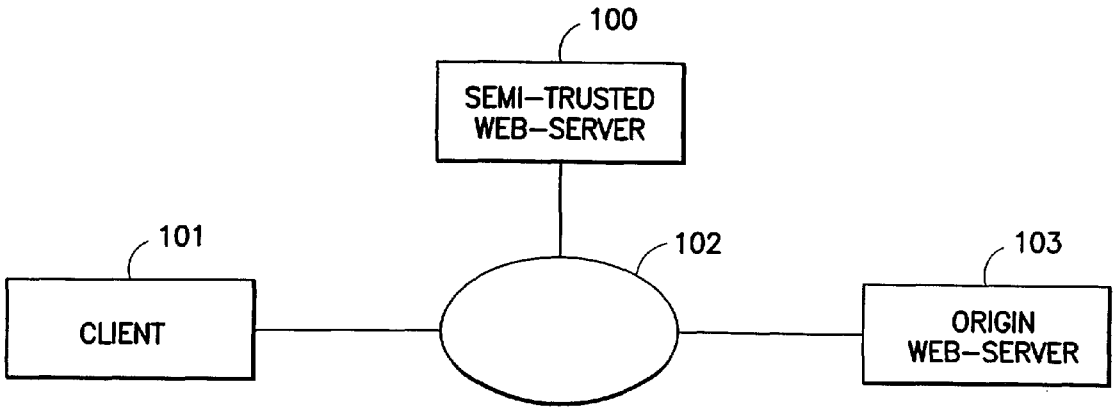
(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, 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, ZM, 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, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

*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 APPARATUS FOR SERVING CONTENT FROM A SEMI-TRUSTED SERVER




(57) Abstract: This invention provides methods and apparatus for enabling access to restricted information contained at a semi-trusted web-server (100) also called a proxy server. The client (101), semi-trusted web-server (104), and origin web-server (103) are connected to a core network (102). Restricted information is information that is only available to a selected group of authorized clients (101). A client (101) desiring access to the restricted information authenticates itself with a trusted web-server (i.e. origin web-server) (103), and obtains a client credential. The client then contacts the semi-trusted web-server (100) with the credential and obtains access to the restricted content. The restricted information may be encrypted at the semi-trusted web-server (100), so that the restricted information is secure even if the semi-trusted web-server (100) is not completely secure. To shorten the length of time that the client (101) must wait for a response to requests and to lighten the load on the origin web-server (103), the semi-trusted web-server (100) may service the requests of the client (101). Generally, a semi-trusted web-server (100) is chosen to service the requests of a client (101) if the semi-trusted web-server (100) is less than the origin web-server (103).

WO 02/093377 A1