



(51) International Patent Classification:
G06F 9/00 (2006.01)

(21) International Application Number:

PCT/US2011/032515

(22) International Filing Date:

14 April 2011 (14.04.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/325,055	16 April 2010 (16.04.2010)	US
12/829,882	2 July 2010 (02.07.2010)	US

(71) Applicant (for all designated States except US): **BANK OF AMERICA CORPORATION** [US/US]; Attn: PAA, NC1-027-20-05, 214 N. Tryon Street, Charlotte, North Carolina 28255 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **RAMCHARRAN, Ronald** [US/US]; c/o Bank of America, Mailcode: NC1-027-20-05, 214 North Tryon Street, Charlotte, North Carolina 28255 (US).

(74) Agents: **KOHNER, Matthew J.** et al.; Banner & Witcoff, LTD., 10 South Wacker Drive, Suite 3000, Chicago, Illinois 60606 (US).

(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, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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).

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(54) Title: DETECTING SECURE OR ENCRYPTED TUNNELING IN A COMPUTER NETWORK

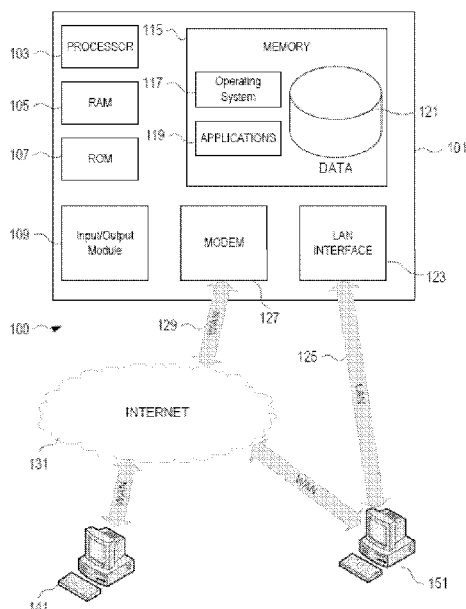


FIGURE 1

(57) Abstract: Aspects of the present disclosure relate to a computer assisted method for detecting encrypted tunneling or proxy avoidance which may include electronically receiving information from a proxy server, extracting information regarding a CONNECT function of Hyper Text Transport Protocol (HTTP) from the electronically received information, determining at least one destination to which the extracted information regarding the CONNECT function of HTTP corresponds and attempting to negotiate a standard HTTPS session with each of the at least one destination. Further, the computer assisted method may further include, for each of the at least one destination, determining whether the destination is hosting an encrypted tunneling or proxy avoidance application, wherein such a determining may be based on characteristics of an Secure Socket Layer (SSL) certificate associated with the destination or a response received from the destination over a TCP/IP connection.

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

— *with international search report (Art. 21(3))*