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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
14 August 2003 (14.08.2003)

PCT

(10) International Publication Number
WO 2003/067847 A3

(51) International Patent Classification[7]: H04L 29/06

(21) International Application Number:
PCT/US2003/002185

(22) International Filing Date: 24 January 2003 (24.01.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/066,140 1 February 2002 (01.02.2002) US

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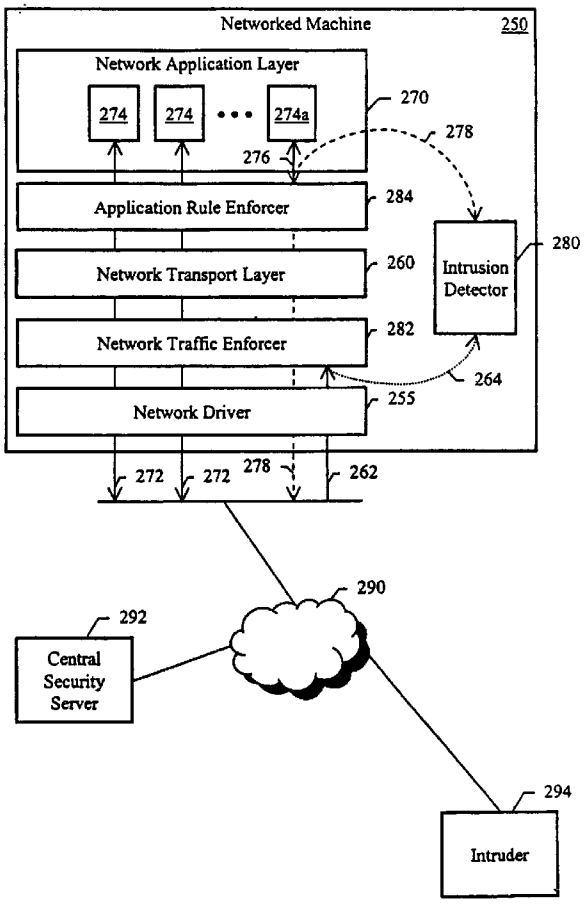
(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, 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, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

[Continued on next page]

(54) Title: INTEGRATED NETWORK INTRUSION DETECTION



(57) Abstract: Intrusion preludes may be detected (including detection using fabricated responses to blocked network requests), and particular sources of network communications may be singled out for greater scrutiny, by performing intrusion analysis on packets blocked by a firewall. An integrated intrusion detection system uses an end-node firewall that is dynamically controlled using invoked-application information and a network policy. The system may use various alert levels to trigger heightened monitoring states, alerts sent to a security operation center, and/or logging of network activity for later forensic analysis. The system may monitor network traffic to block traffic that violates the network policy, monitor blocked traffic to detect an intrusion prelude, and monitor traffic from a potential intruder when an intrusion prelude is detected. The system also may track behavior of applications using the network policy to identify abnormal application behavior, and monitor traffic from an abnormally behaving application to identify an intrusion.

WO 2003/067847 A3

(88) Date of publication of the international search report:
25 March 2004

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