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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
18 September 2003 (18.09.2003)

PCT

(10) International Publication Number
WO 03/077071 A2

(51) International Patent Classification[7]: G06F

(21) International Application Number: PCT/US03/07042

(22) International Filing Date: 6 March 2003 (06.03.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

10/093,553	8 March 2002 (08.03.2002)	US
10/094,211	8 March 2002 (08.03.2002)	US
10/094,266	8 March 2002 (08.03.2002)	US
10/361,091	7 February 2003 (07.02.2003)	US
10/361,067	7 February 2003 (07.02.2003)	US

(71) Applicant: **CIPHERTRUST, INC.** [US/US]; 1105 Sanctuary Parkway, Suite 450, Alpharetta, GA 30004 (US).

(72) Inventors: **JUDGE, Paul**; 1860 Shenandoah Valley Lane, Smyrna, GA 30080 (US). **RAJAN, Guru**; 165 Stanford Ridge, Duluth, GA 30097 (US).

(74) Agents: **NEEDLE & ROSENBERG, P.C.** et al.; The Candler Building, 127 Peachtree Street, Atlanta, GA 30303-1811 (US).

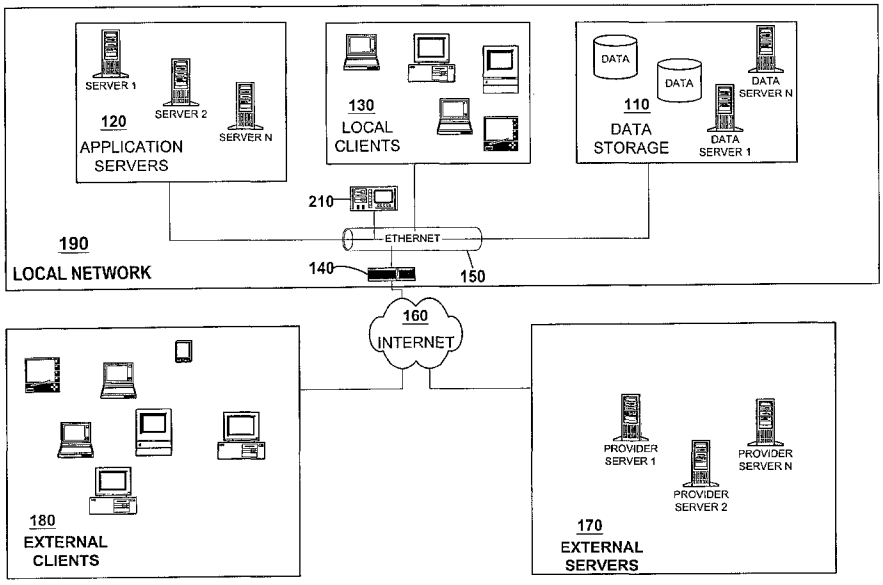
(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, 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, RO, SE, SI, SK, TR), OAPI patent (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*

[Continued on next page]

(54) Title: SYSTEMS AND METHODS FOR ENHANCING ELECTRONIC COMMUNICATION SECURITY



(57) Abstract: Systems and methods for enhancing electronic communication security are provided. An electronic communication related to an application is received and stored. One or more risk assessments are made with respect to the received communication thereby generating a risk profile associated with the communication. The risk profile is analyzed with respect to data associated with previously received communications to determine if the received communication is anomalous. If the received communication is determined to be anomalous, an anomaly indicator signal is output.

WO 03/077071 A2

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.