

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
23 October 2008 (23.10.2008)

PCT

(10) International Publication Number
WO 2008/127430 A3

- (51) International Patent Classification:
H04L 9/00 (2006.01)
- (21) International Application Number:
PCT/US2007/085206
- (22) International Filing Date:
20 November 2007 (20.11.2007)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
11/562,607 22 November 2006 (22.11.2006) US
- (71) Applicant (for all designated States except US): VERIZON BUSINESS GLOBAL, LLC [US/US]; One Verizon Way, Basking Ridge, New Jersey 07920 (US).
- (72) Inventor: FINOGENOV, Alexander; 2817 Burnett Drive, El Dorado Hills, California 95762 (US).
- (74) Agents: PALMIERI, Joseph et al.; Verizon Legal Department, Patent Management Group, 1515 North Court House Road, Suite 500, Arlington, Virginia 22201 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

- Published:
 - with international search report
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report:
31 December 2008

(54) Title: SECURE ACCESS TO RESTRICTED RESOURCE

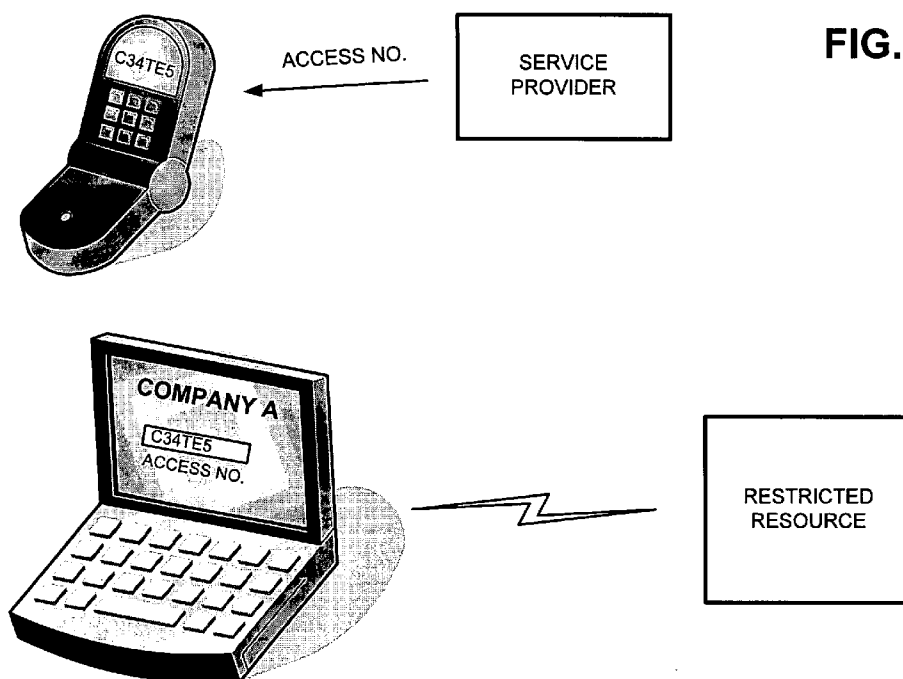


FIG. 1

(57) Abstract: A system may generate an access number, provide the access number to a user via a telephone call, and provide the access number to an authentication server. The system may regulate access by the user to a restricted resource based on the access number provided to the user and the access number provided to the authentication server.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/85206

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H04L 9/00 (2008.04)

USPC - 705/67

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

USPC - 705/67

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC - 700/1,90; 705/50,64,67,72,76; 726/2,5,21 -- text search, see search terms below

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST(PGPB,USPT,USOC,EPAB,JPAB); Google Scholar

Search Terms Used: ID, identif, user, random, character, number, string, phone, telephone, mobile, ID, authentica, verif, call, token, restrict, access, number, authentication, server, call

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---------------|--|---|
| X --- Y | US 6,993,658 B1 (ENGBERG et al.) 31 January 2006 (31.01.2006), entire document especially Figs 1, 3, 5, 8; col 1, ln 49-51; col 2, ln 1-2; col 6, ln 7-11; col 7, ln 11-19, 56-66; col 8, ln 20-28; col 9, ln 21-27, 60-63; col 11, ln 13-15. | 1, 8, 10, 15-23 ----- 2-7, 9, 11-14 |
| Y | US 2005/0076246 A1 (SINGHAL) 07 April 2005 (07.04.2005), especially para [0032], [0035], [0037], [0054]-[0055], [0077]. | 2-7, 11-14 |
| Y | HARA et al. "VPN Architecture Enabling Users to be Associated with Multiple VPNs." [online], 2004, [retrieved on 2008-10-07]. Retrieved from the internet: <URL: http://www-imase.ics.es.osaka-u.ac.jp/paper/Hara03_APSITT.pdf>, especially page 1, para 2-4; page 3, para 5; page 4, Fig 6. | 9 |

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Date of the actual completion of the international search
05 October 2008 (05.08.2008)

Date of mailing of the international search report
20 OCT 2008

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Authorized officer:
Lee W. Young
PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774