

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
29 April 2004 (29.04.2004)

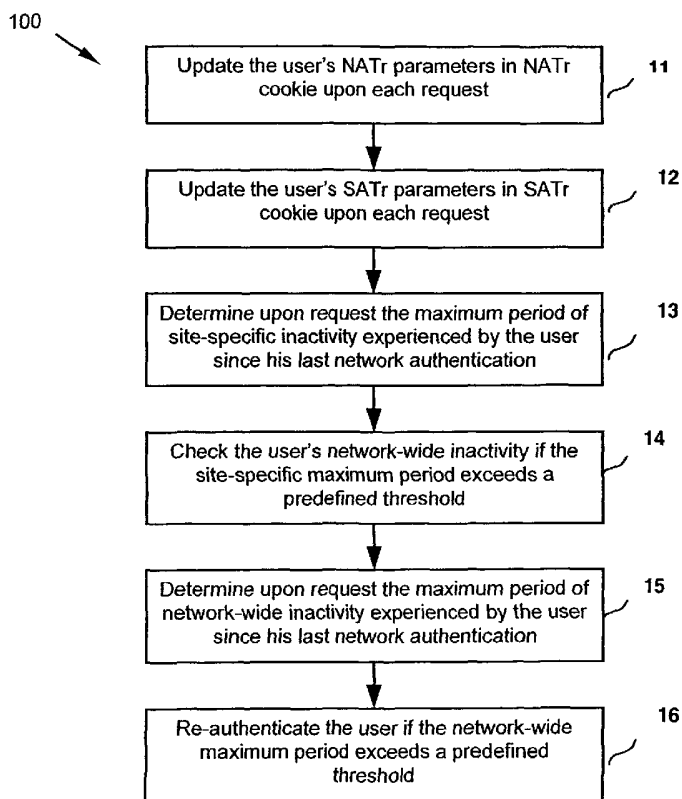
PCT

(10) International Publication Number  
WO 2004/036351 A3

- (51) International Patent Classification<sup>7</sup>: G06F 15/173
- (74) Agents: GLENN, Michael, A. et al.; Glenn Patent Group, 3475 Edison Way, Ste. L, Menlo Park, CA 94025 (US).
- (21) International Application Number: PCT/US2003/031681
- (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, EG, 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, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 1 October 2003 (01.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 10/272,033 15 October 2002 (15.10.2002) US
- (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).
- (71) Applicant: AMERICA ONLINE, INCORPORATED [US/US]; 22000 AOL WAY, Dulles, VA 20166 (US).
- (72) Inventor: TOOMEY, Christopher, Newell; 23694 Black Oak Way, Cupertino, CA 95014 (US).

[Continued on next page]

(54) Title: CROSS-SITE TIMED OUT AUTHENTICATION MANAGEMENT



(57) Abstract: A solution is provided to monitor Web browsing activity across an Internet based network of affiliated Web sites and to enable the Web sites to detect and to force re-authentication upon users who have had a period of network-wide inactivity longer than a sitespecific maximum allowable inactivity period (13). The network comprises at least one network authentication server (NAS) which maintains a network-wide activity tracking (NATr) cookie. The NATr cookie comprises a set of network-wide activity tracking (NATr) parameters for each registered user (11). Each of the Web sites maintains a site-specific activity tracking (SATr) cookie which comprises a set site-specific tracking (SATr) parameters for each registered user (12). The NATr parameters for each user are reset whenever the user authenticates to the network. When a user requests a page from a site, an NAS forces the user to reauthenticate when the NAS determines that the user's network-wide inactivity duration is longer then the site's maximum allowable inactivity period (16).

WO 2004/036351 A3

**Declaration under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations 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, EG, 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, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, 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:**

- 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:**

27 May 2004

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.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/31681

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : G06F 15/173  
 US CL : 709/224

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)  
 U.S. : 709/224, 225,203

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
 Derwent, IBM\_TDB

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

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,330,566 B1 (Durham), 11 December 2001, whole document.	1-22
A	US 2002/0146129 A1 (Kaplan) 10 October 2002, whole document.	1-22
A	US 2002/0028706 A1 (Barnard et al) 07 March 2002, whole document.	1-22
A	US 6,446,119 B1 (Olah et al) 03 September 2002, whole document.	1-22
A	US 2002/0029269 A1 (McCarty et al) 07 March 2002, whole document	1-22
A	US 2002/0133697 A1 (Royer et al) 19 September 2002, whole document.	1-22
A	US 2002/0095222 A1 (Lignoul) 18 July 2002, whole document.	1-22

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* Special categories of cited documents:	"T"
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

24 March 2004 (24.03.2004)

Date of mailing of the international search report

**14 APR 2004**

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. (703) 305-3230

Authorized officer

Bunjob Jaroenchonwanit

Telephone No. (703) 305-3800