

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
28 November 2002 (28.11.2002)

PCT

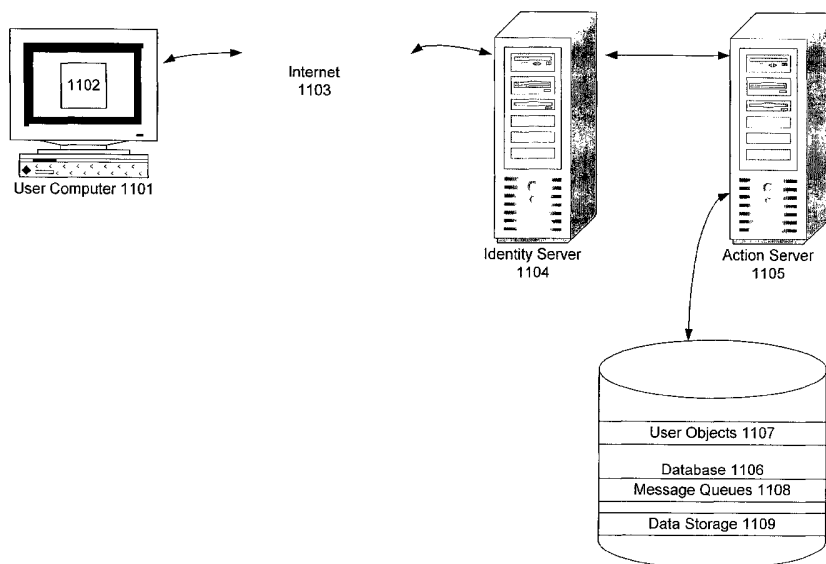
(10) International Publication Number  
**WO 02/095545 A3**

- (51) International Patent Classification<sup>7</sup>: **H04L 9/32**
- (21) International Application Number: PCT/US02/08275
- (22) International Filing Date: 19 April 2002 (19.04.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/285,200                      20 April 2001 (20.04.2001)      US
- (71) Applicant (for all designated States except US): **PONOI CORP.** [US/US]; 81 Franklin Street, Second Floor, New York, NY 10013 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **SAVAGE, Colin** [US/US]; 69 Thompson Street, Apt. A, New York, NY 10012 (US). **CHRISTOPHER, Petro** [US/US]; 6020 78th Street, Elmhurst, NY 11373 (US). **GOLDSMITH, Sascha** [US/US]; 146 North Beacon Street, Apt. 4A, Brighton, MA 02135 (US).
- (74) Agent: **ABRAMSON, Ronald**; Hughes Hubbard & Reed LLP, One Battery Park Plaza, New York, NY 10004-1482 (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, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, 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, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**  
— of inventorship (Rule 4.17(iv)) for US only

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR SECURE AND PRIVATE COMMUNICATION



(57) Abstract: The invention provides secure and private communication over a network (1103), as well as persistent private storage and private access control to the stored information (1109), which is accomplished by imposing mechanisms that separate a user's actions (1105) from their identity (1104). The system provides (i) anonymous network browsing, in which event the anonymity system is unaware of both the user's identity and browsing activities, (ii) private network storage and retrieval of data such as passwords, profiles and files in a manner such that the data can be stored into the system and later retrieved without the system knowing the contents or owners of the data, and (iii) the ability of the user to control and manage access to the remotely stored data without the system knowing the contents, owners, or accessors of the data.



WO 02/095545 A3



**Published:**

— *with international search report*

*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.*

**(88) Date of publication of the international search report:**

23 January 2003

INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US02/08275

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7) :H04L 9/32 US CL : 713/189 According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 713/189 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched MENEZES et. al. HANDBOOK OF APPLIED CRYPTOGRAPHY Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST, INTERNET		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5748739 A (PRESS) 05 MAY 1998	1-12
Y	US 6088799 A (MORGAN et. al.) 11 July 2000	1-12
X	US 5923885 A (JOHNSON et. al.) 13 July 1999	1-12
X	US 6195432 B1 (TAKAHASHI et. al.) 27 February 2001	1-12
Y	US 5961593 A (GABBER et. al.) 05 October 1999, Column 12-15	1-12
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document published on or after the international filing date	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"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 26 AUGUST 2002	Date of mailing of the international search report 27 SEP 2002	
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer GAIL HAYES <i>Peggy Haynes</i> Telephone No. (703) 308-4562	