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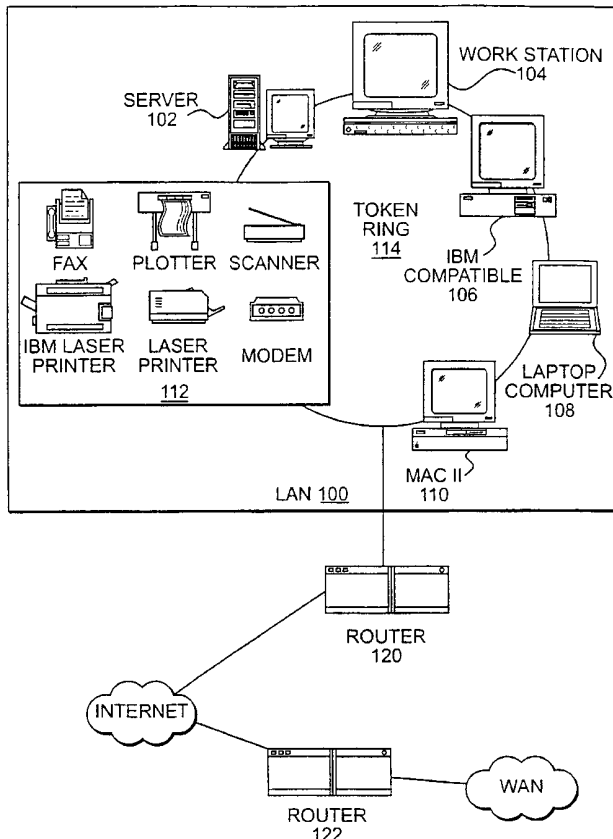
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[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR SECURE PERSONAL AUTHENTICATION CREDENTIALS DATA OVER A NETWORK



(57) Abstract: A method and system for registering, storing and managing personal data for use over a network, and for allowing users to register for, link to and log onto third party Web sites. The invention queries a user for registration, authentication credentials information, such as user names, passwords, etc., for any type of application, and securely stores this data in a centralized user database. The invention prompts when registration/authentication is needed, and either manually with user intervention or automatically with user permission inputs stored data, or automatically creates the registration/authentication credential data for the user. The invention further monitors a user's network browsing, detects when registration/authentication is needed, and either manually with user intervention or automatically with user permission inputs stored data, or automatically creates the registration/authentication credential data for the user. The invention then securely transmits authentication credentials data for automatic login at third party Web sites.

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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/01249

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04L29/06

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)

IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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

EPO-Internal, PAJ, INSPEC

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 006 333 A (NIELSEN JAKOB) 21 December 1999 (1999-12-21) column 1, line 8 -column 2, line 41 column 4, line 49 - line 56 column 5, line 25 - line 36	1-13
A	---	14
Y	US 5 915 001 A (UPPALURU PREMKUMAR V) 22 June 1999 (1999-06-22) column 2, line 21 -column 3, line 60 column 12, line 62 -column 13, line 17	1-13
A	EP 0 942 568 A (UNWIRED PLANET INC) 15 September 1999 (1999-09-15) column 4, line 35 -column 5, line 21 column 8, line 17 -column 9, line 13 -----	14

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6006333 A	21-12-1999	US 6182229 B	30-01-2001
US 5915001 A	22-06-1999	AU 5256698 A	03-06-1998
		WO 9821872 A	22-05-1998
EP 0942568 A	15-09-1999	US 6233577 B	15-05-2001
		CN 1235448 A	17-11-1999
		JP 11317735 A	16-11-1999