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(54) Title: DYNAMIC NETWORK IDENTITY AND POLICY MANAGEMENT

(57) Abstract: Network policies are managed based at least in-part on user/entity identity information with: a state monitor operable to monitor for state change events in user/entity state and related, network state or in traffic pattern and traffic flow state; an identity manager operable to obtain and validate user credentials; and a policy manager operable in response to a state change event detected by the state monitor (either the identity manager or a defense center) to select a policy based in-part on the user identity obtained by the identity manager or security context obtained by the defense center, and to prompt application of the selected policy. The policies are indicative of user/device authorization entitlements and restrictions to utilization of certain network resources, network services or applications. Dynamic policy selection and targeted responses can be used, for example, against a user who gains network access with stolen user ID and password, and subsequently attempts malicious behavior. In particular, the malicious behavior is detected and identified, and the malicious user can then be restricted from abusing network resources without adversely affecting other users, groups, network devices, and other network services.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC: **H04L 9/00**(2006.01);**G06F 15/173**(2006.01),**15/16**(2006.01)

USPC: 726/7,8,9,2,3;709/225,238

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. : 726/7,8,9,2,3;709/225,238

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 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 Pub.No: 2005/0258238 A1 (CHAPMAN) 24 November 2005 (24.11.2005)	1-14
X,P	US Pub.No: 2006/0074894 A1 (REMAHL et al.) 06 April 2006(06.04.2006)	1-14
X,P	US Pub.No: 2006/0101511 A1 (FAILENOT et al.) 11 May 2006(11.05.2006)	1-14
A	US Pub.No: 2005/0015490 A1 (SAARE et al.) 20 January 2005(20.01.2005)	1-14
A	US Pub.No: 2005/0071643 A1 (MOGHE) 31 March 2005(31.03.2005)	1-14

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