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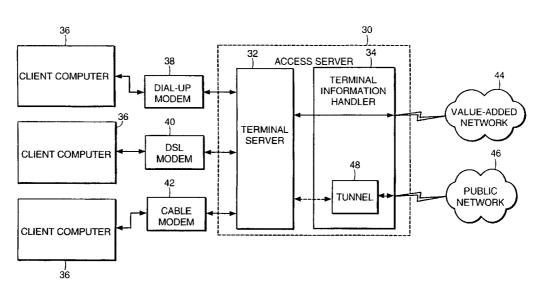
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(54) Title: PUBLIC NETWORK ACCESS SERVER HAVING A USER-CONFIGURABLE FIREWALL



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(57) Abstract: A user-configurable firewall and method in which a user-changeable security setting for a client computer is maintained by an access server through which a user accesses the public network. The user-changeable security setting can be used to specify which outside computers or network devices may access the client computer and what type of access to the client computer is allowed. If an attempt to access the client computer is made, the user-configurable security setting is checked to determine if the attempted access is allowed by the current security setting. If the attempted access is allowed by the current security setting, access is allowed to the client computer; otherwise, access is not allowed. If the user changes the user-configurable security setting, the changes to the user-configurable security settings are provided to the access server.

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### INTERNATIONAL SEARCH REPORT

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A. CLASS	HO4L29/06 HO4L12/28							
According t	to International Patent Classification (IPC) or to both national class	ification and IPC						
B. FIELDS	SEARCHED							
Minimum de IPC 7	locumentation searched (classification system followed by classific $H04L$	cation symbols)						
Documenta	ation searched other than minimum documentation to the extent tha	at such documents are included in the fields se	earched					
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EPO-In	nternal, PAJ, INSPEC, WPI Data							
C. DOCUMENTS CONSIDERED TO BE RELEVANT								
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.					
х	EP 0 854 621 A (AT & T CORP) 22 July 1998 (1998-07-22) the whole document		1-45					
A	WO 98 41913 A (DEROSA ROBERT ;C PETER (US); FOX ROBERT (US); BA GLOBAL) 24 September 1998 (1998 page 3, line 7 -page 7, line 11 page 8, line 21 -page 13, line	SCOM -09-24)	1-45					
Furti	ther documents are listed in the continuation of box C.	X Patent family members are listed	in annex.					
Special categories of cited documents:  'A' document defining the general state of the art which is not considered to be of particular relevance  'E' earlier document but published on or after the international filing date  '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)  '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		<ul> <li>'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</li> <li>'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</li> <li>'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.</li> <li>'&amp;' document member of the same patent family</li> </ul>						
15 August 2001		23/08/2001	23/08/2001					
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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
EP 0854621	А	22-07-1998	US CA JP	6233686 B 2226814 A 10229418 A	15-05-2001 17-07-1998 25-08-1998
WO 9841913	A 	24-09-1998	US AU	5987606 A 6564898 A	16-11-1999 12-10-1998