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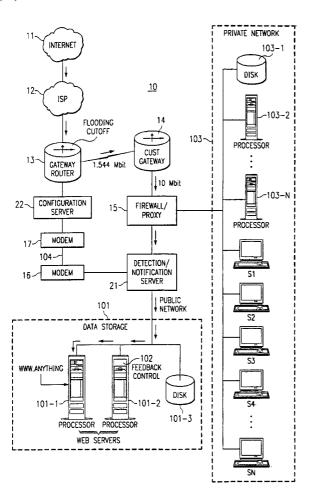
09/572,112 17 May 2000 (17.05.2000)

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[Continued on next page]

(54) Title: INTELLIGENT FEEDBACK LOOP PROCESS CONTROL SYSTEM



(57) Abstract: there is disclosed a system and method for detecting attacks on a site in a communication network and for taking action to reduce or redirect such attacks. A monitor system reviews incoming data packets and sends directions to at least one router to change the data flow in the system. The directions may be sent to other routers. The data packets and the resulting work flow are modified for certain conditions, and for certain conditions within defined time slices, and action is taken when the monitored condition is contrary to expected conditions

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A. CLASSII IPC 7	FICATION OF SUBJECT MATTER H04L12/24 H04L12/26							
According to International Patent Classification (IPC) or to both national classification and IPC								
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IPC 7	cumentation searched (classification system followed by classifical $H04L$	ion symbols)	:					
Documentat	ion searched other than minimum documentation to the extent that	such documents are included in the fields se	arched					
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FLO-1u	ternal, WPI Data, PAJ							
C. DOCUMENTS CONSIDERED TO BE RELEVANT								
Category °	Citation of document, with indication, where appropriate, of the re	elevant passages	Relevant to claim No.					
Α	US 5 787 253 A (MCCREERY TIMOTHY AL) 28 July 1998 (1998-07-28) abstract column 1, line 39 -column 2, lin column 2, line 11 -column 3, lin column 4, line 18 - line 50 column 5, line 10 - line 29 column 5, line 36 - line 43 column 5, line 48 - line 57 column 8, line 1 - line 9 claim 1 figure 2	e 5	1-53					
X Furth	ner documents are listed in the continuation of box C.	χ Patent family members are listed	in annex.					
° Special ca	tegories of cited documents :	"T" later document published after the inte						
 '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 		or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention						
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JS 5787253	Α	28-07-1998	NONE	
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