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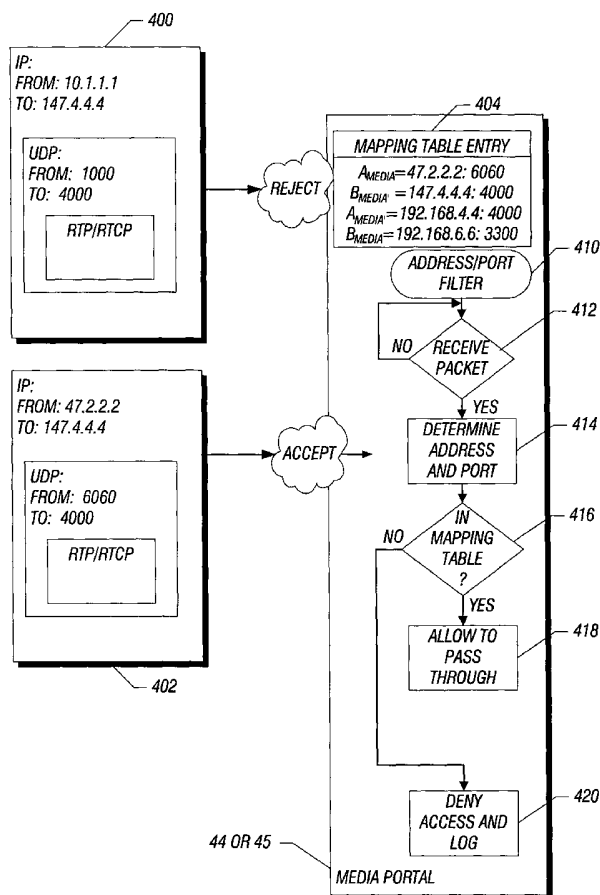
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[Continued on next page]

(54) Title: PROTECTING A NETWORK FROM UNAUTHORIZED ACCESS



(57) **Abstract:** A method and apparatus of protecting a first network (50) from unauthorized access includes storing profile information for each call session, and determining if an unauthorized access of the first network (50) is occurring based on the profile information. The profile information includes a predetermined threshold indicating a maximum acceptable rate of incoming data units from an external network (14) to the first network (50). If the incoming data unit rate exceeds the predetermined threshold, then a security action is taken, such as generating an alarm or preventing further transport of data units from the external network (14) to the first network (50).

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# INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 H04L29/06 H04L29/12

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, WPI Data, PAJ, INSPEC, IBM-TDB

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 219 706 B1 (FAN SERENE ET AL) 17 April 2001 (2001-04-17) abstract column 1, line 31-52 column 3, line 8-21 column 6, line 65 -column 7, line 51 column 8, line 25-53 column 9, line 16-40 column 12, line 26-33 column 14, line 16-63	1-7
Y	--- -/--	8, 10, 12, 21-24

Further documents are listed in the continuation of box C.

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
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## INTERNATIONAL SEARCH REPORT

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 60826 A (NORTEL NETWORKS LTD) 12 October 2000 (2000-10-12) abstract figures 2,3 page 4, line 15 -page 5, line 2 page 5, line 23 -page 6, line 5 page 7, line 3 -page 8, line 12 page 11, line 7 -page 12, line 24 page 13, line 20-26	14-16, 18,20
Y		8,10,12, 21-24
A		17,19,25
X	--- THERNELIUS ET AL: "SIP Firewall Solution" INTERNET DRAFT, 'Online! July 2000 (2000-07), XP002228856 Retrieved from the Internet: <URL:http://www.watersprings.org/pub/id/draft-thernelius-sip-firewall-solution-00.txt> 'retrieved on 2003-01-27! abstract page 2, line 5-25 page 4, line 1-36 page 7, last paragraph -page 8, line 26 page 11, last paragraph -page 12, line 18 figures 1-3	1-4
A		5-25
X	--- WO 99 59071 A (MOTOROLA INC) 18 November 1999 (1999-11-18) abstract page 3, last paragraph page 4, line 29 -page 6, line 27; figure 4 page 8, line 8-18 claims 1,5	14
A		1,3,4, 15,16, 18,20,21
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