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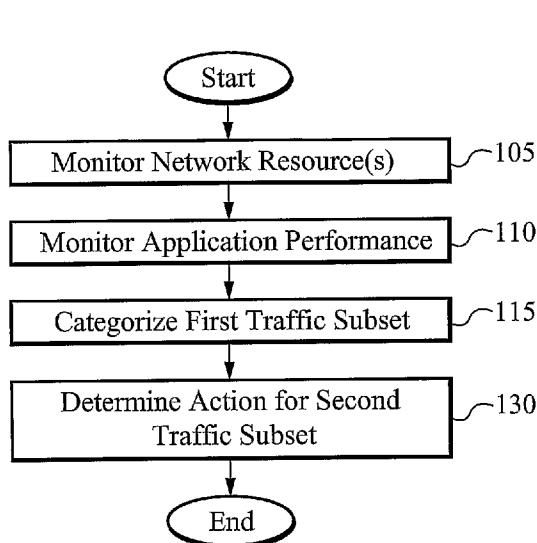
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[Continued on next page]

(54) Title: METHODS OF AND SYSTEMS FOR NETWORK TRAFFIC SECURITY



(57) Abstract: The present invention is directed to a method of and a system that monitors a network resource of a network and an application performance. The method categorizes a first subset of network traffic into trusted, known to be bad, and suspect categories. The method determines an action for a second subset of traffic based on the categorizing. Some embodiments provide a system for an adaptive networking having a first device and traffic that has a first subset and a second subset. The system also includes a first resource and a second resource for the transmission of the traffic. The first device receives the traffic and categorizes the traffic into the first and second subsets. The first device assigns the first subset to the first resource. Some embodiments provide a categorization module that categorizes incoming traffic, and a resource assignment module that assigns the categorized traffic for a particular resource. A traffic category for the device includes suspect traffic.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/32463

A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **G06F 12/14(2006.01)**

USPC: 726/22
 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. : 726/22

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.
X, E	US 2006/0026682 A1 (ZAKAS) 02 February 2006 (02.02.2006), Fig. 3, [0014]-[0016], [0030], [0034], [0038], [0045]-[0046], [0050]-[0053], [0062]	1-29 and 38-45
X, P	US 6,839,751 B1 (DIETZ et al) 04 January 2005 (04.01.2005), col. 45, lines 62-67; col. 5, line 65-col. 6, line 42; col. 9, lines 27-39; col. 12, lines 19-29; col. 15, lines 50-67; col. 17, lines 44-59; col. 34, lines 61-67;	30-33
X	US 6,760,775 B1 (ANEROUSIS et al) 06 July 2004 (06.07.2004), col. 3, lines 56-67; col. 4, lines 6-33; col. 5, lines 4-12; col. 6, lines 25-35; col. 7, lines 1-7; col. 7, lines 34-48; col. 13, lines 5-65; col. 12, lines 40-54; col. 5, lines 4-12; col. 18, lines 33-45.	34-37

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"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
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier application or patent published on or after the international filing date	"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
"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)	"&"	document member of the same patent family
"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 19 September 2007 (19.09.2007)	Date of mailing of the international search report 23 OCT 2007
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Authorized officer Gilberto Barron Jacqueline A. Whitfield Telephone No. 571-272- Special Project Asst.
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/32463

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:
Please See Continuation Sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

- Remark on Protest**
- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
 - The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
 - No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/32463

BOX III. OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, Claims 1-29 and 38-45 are drawn to “a method of monitoring network resources and applications performances to classify network traffic”.

Group II, Claims 30-33 are drawn to “a method for automatic discovery of a user by monitoring a network”.

Group III, Claims 34-37 are drawn to “a method for routing a plurality of data packet”.

The inventions listed as Groups I, II and III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: The special technical features of each group is not required by any other group.