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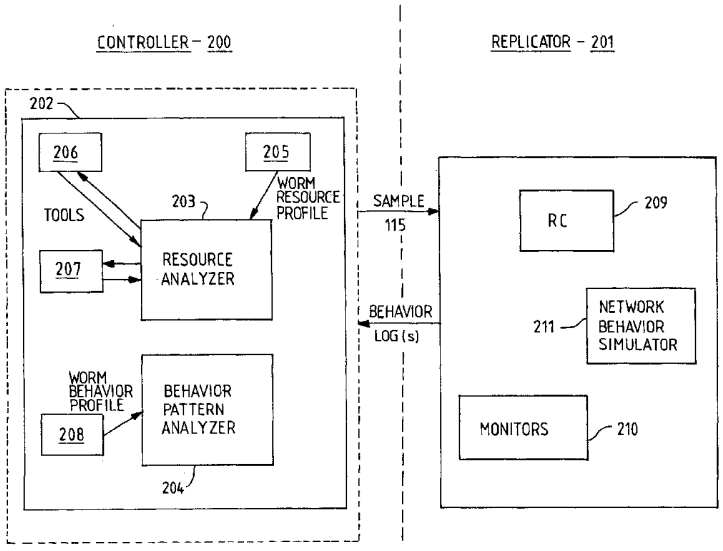
[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR THE AUTOMATIC DETERMINATION OF POTENTIALLY WORM-LIKE BEHAVIOUR OF A PROGRAM



(57) Abstract: A method and system for the automatic determination of the behavioural profile of a program suspected of having worm-like characteristics includes analyzing data processing system resources required by the program and, if the required resources are not indicative of the program having worm-like characteristics, running the program in a controlled non-network environment while monitoring and logging accesses to system resources to determine the behaviour of the program in the non-network environment. A logged record of the observed behaviour is analyzed to determine if the behaviour is indicative of the program having worm-like characteristics. The non-network environment may simulate the appearance of a network to the program, without emulating the operation of the network.

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

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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, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	WO 02 06928 A (VCIS INC) 24 January 2002 (2002-01-24) abstract page 1, line 26 page 4, line 5 - line 16 page 6, line 8 - line 15 ---	1,12,18, 19 2-4, 13-15
Y	MARK BURNETT: "Securing Microsoft Services" INTERNET CITATION, 'Online! 22 May 2002 (2002-05-22), XP002264375 Retrieved from the Internet: <URL:http://www.securityfocus.com/infocus/1581 > 'retrieved on 2003-12-09! page 1, paragraph 2 page 2, paragraph 13 page 3, paragraph 1 --- -/--	2-4, 13-15

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
9 December 2003	29/12/2003

Name and mailing address of the ISA	Authorized officer
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 5 842 002 A (KLEMMER TIMOTHY J ET AL) 24 November 1998 (1998-11-24) figure 1 column 1, line 40 - line 47 column 4, line 21 - line 36 column 5, line 29 - line 32	1-19
A	US 6 192 512 B1 (CHESS DAVID M) 20 February 2001 (2001-02-20) figure 2 column 4, line 65 -column 5, line 16	1-19

INTERNATIONAL SEARCH REPORT

Information on patent family members

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