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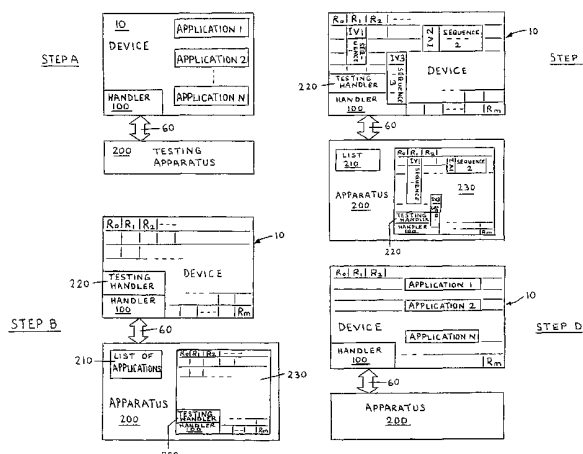
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF DETECTING MALICIOUS CODE



(57) Abstract: The invention provides a method of detecting malicious code in a code-executing device (10), the method characterised in that it includes the steps of: (a) generating test data which is substantially unsusceptible to compression without reducing its information content and storing it as image data (230) in memory external to the device (10); (b) loading the test data (R_0 to R_m) into memory (30) of the device (10); (c) performing a checksum calculation on the test data (R_0 to R_m) stored in the memory (30) of the device (10) to generate a first checksum value, performing a corresponding checksum calculation on the image data (230) to generate a second checksum value, and the comparing the first value with the second value to determine whether or not the test data in the memory of the device (30) has been corrupted; (d) repeating step (c) until sufficient test data in the memory (30) of the device (10) is checksum tested to determine whether or not malicious code is present in the device (10). The method makes it difficult for the malicious code to conceal itself from the checksums, hence it is possible to determine whether or not the device (10) has been compromised.

INTERNATIONAL SEARCH REPORT

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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

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F G07F 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)

WPI Data, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, A	EP 1 056 010 A (HEWLETT PACKARD CO) 29 November 2000 (2000-11-29) column 3, paragraph 9 -column 4, paragraph 19	1, 4, 10
A	--- "SYSTEM FOR DETECTING UNDESIRE ALTERATION OF SOFTWARE" IBM TECHNICAL DISCLOSURE BULLETIN, IBM CORP. NEW YORK, US, vol. 32, no. 11, 1 April 1990 (1990-04-01), pages 48-50, XP000097602 ISSN: 0018-8689 the whole document --- -/--	1, 10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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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.
A	US 5 454 000 A (DORFMAN BARRY L) 26 September 1995 (1995-09-26) column 1, line 65 -column 2, line 10 column 3, line 14 - line 34 -----	1,5

INTERNATIONAL SEARCH REPORT

Information on patent family members

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