Title (en)

METHOD FOR VERIFICATION OF PSEUDO-CODE LOADED IN A PORTABLE SYSTEM PARTICULARLY A CHIPCARD

Title (de)

VERFAHREN ZUR VERIFIKATION VON IN EINEM TRAGBAREN SYSTEM INSBESONDERE EINER CHIPKARTE GELADENEN PSEUDOCODE

Title (fr)

PROCEDE DE VERIFICATION DE PSEUDO-CODE CHARGE DANS UN SYSTEME EMBARQUE, NOTAMMENT UNE CARTE A PUCE

Publication

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Application

EP 06725034 A 20060314

Priority

• EP 2006060676 W 20060314
• FR 0551036 A 20050422

Abstract (en)

[origin: WO2006111441A2] The invention relates to a verification of applications in interpreted language of the byte-code type (pseudo-code) loaded on portable electronic devices, in particular a chipcard and a method for verification of an application (31) interpreted by a virtual machine (42), said application being loaded on a portable electronic device (1), comprising at least one processor (2) and one RAM (5). The method comprises carrying out the following after loading said application in the device and before validation thereof, checks in the code of said application by means of a process carried out by the processor (2), characterized in comprising, on starting a sub-programme, a step of backing up the actual verification context (200 to 203) in the RAM (5), a step for creation and activation of a new verification context (206 to 209) for the sub-programme and a step for restoration of the verification context (200 to 203) previously backed-up.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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