

Title (en)

MAKING SECURE DOWNLOADED APPLICATION IN PARTICULAR IN A SMART CARD

Title (de)

SICHERUNG EINER FERNGELADENEN ANWENDUNG INBESONDERE FÜR EINE CHIPKARTE

Title (fr)

SECURISATION D'APPLICATION TELECHARGEE NOTAMMENT DANS UNE CARTE A PUCE

Publication

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Application

EP 03762743 A 20030707

Priority

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Abstract (en)

[origin: WO2004006088A2] The invention concerns a method for differentiating between data and instructions thereby providing against certain attacks in a data processing device such as a smart card, whereby a generator (30) associates a random number with an applicative component of a downloaded application (AP), and a transformer (42) comprised in a virtual machine (VM) applies each of the instruction words (OC1) in the component and the associated random number to a transformation function (FT) so as to store the transformed instruction words (OCT1) when downloading the component. A second transformer (43) applies each of the transformed words (OCT) of part of the component (CP1) and the associated random number (NA1) to the reciprocal function (FT<-1>) of the transformation function (FT) so as to retrieve the instruction words constituting said component part to execute same.

IPC 1-7

G06F 7/10

IPC 8 full level

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CPC (source: EP US)

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