

Title (en)

METHOD AND DEVICE FOR ISOLATING SENSITIVE NON-TRUSTED PROGRAM CODE ON MOBILE TERMINALS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ISOLATION VON SENSIBLEM NICHT-VERTRAUENSWÜRDIGEM PROGRAMMCODE AUF MOBILEN ENDGERÄTEN

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR ISOLER UN CODE DE PROGRAMME SENSIBLE NON FIABLE SUR DES TERMINAUX MOBILES

Publication

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Application

EP 19783279 A 20191002

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Abstract (en)

[origin: WO2020074354A1] The invention relates to a method for providing isolated and secured execution environments on a terminal that is controlled by one or more processors having one or more processor cores, wherein the processors provide and execute a first trusted execution environment and a second legacy execution environment, wherein at least one trusted application (4) is executed in the trusted execution environment, which trusted application processes sensitive data, and a legacy application (2) is executed in the legacy execution environment; characterized by one or more further execution environments, called sanctuary instances, which are isolated from the first and second execution environments and each are executed on a dedicated processor or dedicated processor core, wherein it is possible for these to be present physically or in a virtualized manner, and sanctuary memory areas which are assigned exclusively to the respective processors or processor cores. At least one sanctuary application (10) is executed in a sanctuary instance, and a sanctuary application (10) interacts both with one or more legacy applications (2) and with one or more trusted applications (4) via at least one communication channel.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2020074354A1

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