Title (en)
A METHOD TO CREATE A SECURE CHANNEL BETWEEN A HOST DEVICE AND AN EXTERNAL DEVICE

Title (de)
VERFAHREN ZUR ERSTELLUNG EINES SICHEREN KANALS ZWISCHEN EINER HOSTVORRICHTUNG UND EINER EXTERNEN VORRICHTUNG

Title (fr)
PROCÉDÉ POUR CRÉER UN CANAL SÉCURISÉ ENTRE UN DISPOSITIF HÔTE ET UN DISPOSITIF EXTERNE

Publication
EP 3510785 A1 20190717 (EN)

Application
EP 17765162 A 20170908

Priority
- EP 16188208 A 20160909
- EP 2017072599 W 20170908

Abstract (en)
[origin: EP3293980A1] The present disclosure is in the field the access control to multimedia content by a home device, in particular the access to encrypted multimedia content. It is proposed a method to create a secure channel between a host device and a external device, said external device being in charge of receiving encrypted multimedia content from the host device, to decrypt said multimedia content, re-encrypt it and returning it via the secure channel to the host device, said host device comprising a system on chip (SoC) comprising at least a secure execution environment and a memory, a host processing platform (HPD) comprising at least a central unit, a reception module, a video processing unit and a storage unit, said system on chip comprising a SoC private key and a SoC certificate comprising a SoC type ID, a SoC Binding unique ID and a SoC public key, said host processing platform (HPD) comprising a HPD certificate comprising a HPD type ID, the SoC binding unique ID, the SoC certificate and the HPD certificate being trusted by a common root authority, said method comprising : - initializing a communication between the external device and the host device, - receiving, by the external device, the SoC certificate, the Soc unique Binding ID of the Soc and the HPD certificate from the host device, - checking the binding of the SoC cand the HPD by verifying that the HPD certificate contains the SoC Binding unique ID of the SoC, - in response to a positive verification, creating a secure channel between the external device and the host device.

IPC 8 full level
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