

Title (en)

METHOD FOR CONTROLLING SECURE TRANSACTIONS USING A SINGLE PHYSICAL DEVICE, CORRESPONDING PHYSICAL DEVICE, SYSTEM AND COMPUTER PROGRAMME

Title (de)

VERFAHREN ZUR KONTROLLE SICHERER TRANSAKTIONEN ANHAND EINES EINZELNEN PHYSIKALISCHEN GERÄTS, ENTSPRECHENDES PHYSIKALISCHES GERÄT, SYSTEM UND COMPUTERPROGRAMM

Title (fr)

PROCEDE DE CONTROLE DE TRANSACTIONS SECURISEES METTANT EN OEUVRE UN DISPOSITIF PHYSIQUE UNIQUE, DISPOSITIF PHYSIQUE, SYSTEME, ET PROGRAMME D'ORDINATEUR CORRESPONDANTS

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Application

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Abstract (en)

[origin: WO2007012583A1] The invention concerns a method for controlling secure transactions using a physical device (13) held by a user and bearing at least one pair of asymmetric keys, comprising a device public key (P₀) and a corresponding device private key (S₀). The invention is characterized in that said method includes the following steps: prior to implementing the physical device, a step of certifying said device public key (P₀) with a first certification key (S_T) of a particular certifying authority (10), delivering a device certificate (C₀) after verifying that said device private key (S₀) is housed in a tamper-proof zone of said physical device (13); a step of verifying said device certificate (C₀) by means of a second certification key (P_T) corresponding to the first certification key (S_T); in case of positive verification, a step of registering said user with a provider delivering a provider certificate (C_i) corresponding to the signature by said provider of said device public key (P₀) and an identifier (Id_i) of said user.

IPC 8 full level

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