

Title (en)

DEVICE FOR DIRECTLY TRANSMITTING ELECTRONIC COIN DATA RECORDS TO ANOTHER DEVICE, AND PAYMENT SYSTEM

Title (de)

GERÄT ZUM DIREKTEN ÜBERTRAGEN VON ELEKTRONISCHEN MÜNZDATENSÄTZEN AN EIN ANDERES GERÄT SOWIE BEZAHLSYSTEM

Title (fr)

DISPOSITIF POUR LE TRANSFERT DIRECT D'ENSEMBLES DE DONNÉES DE PIÈCES DE MONNAIE ÉLECTRONIQUES VERS UN AUTRE DISPOSITIF ET SYSTÈME DE PAIEMENT

Publication

EP 3956845 A1 20220223 (DE)

Application

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Priority

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Abstract (en)

[origin: WO2020212331A1] The invention relates to a device for directly transmitting electronic coin data records to another device. The device comprises means for accessing a data memory, wherein the data memory stores at least one electronic coin data record; an interface for at least outputting the at least one electronic coin data record to the other device; and a computing unit configured to mask the electronic coin data record in the device by applying a homomorphous one-way function to the electronic coin data record in order to obtain a masked electronic coin data record for the purpose of recording the masked electronic coin data record in a monitoring entity; and to output the electronic coin data record by means of the interface, wherein the at least one electronic coin data record is designed as described above, that is to say has a monetary sum and a disguising sum. The invention also relates to a payment system having a monitoring layer having a database that stores masked electronic coin data records; and having a direct transaction layer, having at least two devices, in which the method is performable.

IPC 8 full level

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