

Title (en)
METHOD FOR REGISTERING AN ELECTRONIC COIN DATA SET IN A COIN REGISTER; A COIN REGISTER; A SUBSCRIBER UNIT AND A COMPUTER PROGRAM PRODUCT

Title (de)
VERFAHREN ZUM REGISTRIEREN EINES ELEKTRONISCHEN MÜNZDATENSATZES IN EINEM MÜNZREGISTER; EIN MÜNZREGISTER; EINE TEILNEHMEREINHEIT UND EIN COMPUTERPROGRAMMPRODUKT

Title (fr)
PROCÉDÉ D'ENREGISTREMENT D'UN ENSEMBLE DE DONNÉES DE PIÈCES ÉLECTRONIQUES DANS UN REGISTRE DE PIÈCES; REGISTRE DE PIÈCES; UNITÉ D'ABONNÉ ET PRODUIT DE PROGRAMME D'ORDINATEUR

Publication
EP 4334872 A1 20240313 (DE)

Application
EP 22725994 A 20220502

Priority
• DE 102021002329 A 20210503
• EP 2022025198 W 20220503

Abstract (en)
[origin: WO2022233454A1] The invention relates to a method (400) for registering (104) an electronic coin data set (C) in a coin register (2) of an electronic payment system (BZ), said method comprising the steps of: generating (405) an electronic coin data set (Cj), which has a monetary value (vj) and an obfuscation value (rj), by means of a first subscriber unit (TE1) of the payment system (BZ), said monetary value (vj) of the generated electronic coin data set (Cj) corresponding to the monetary value (m) of an electronic coin data set (Ci) present in the first subscriber unit (TE1); masking (406) the generated electronic coin data set (Cj) by means of the first subscriber unit (TE1) by applying a one-way function (f(Cj)) to at least one data element of the electronic coin data set (Cj) in order to obtain a masked generated electronic coin data set (Zj); transmitting a registration request (407) for the masked generated electronic coin data set (Zj) together with a timelock from the first subscriber unit (TE1) to the coin register (2), wherein the timelock specifies a period of time (T2) until the generated electronic coin data set (Cj) can be switched over to a second subscriber unit (TE2) of the payment system (BZ) in the coin register (2). The invention additionally relates to a coin register (2), a payment system (BZ), a subscriber unit (TE), and a computer program product.

IPC 8 full level
G06Q 20/06 (2012.01); **G06Q 20/20** (2012.01); **G06Q 20/38** (2012.01); **H04L 9/00** (2022.01)

CPC (source: EP)
G06Q 20/065 (2013.01); **G06Q 20/3678** (2013.01); **G06Q 20/383** (2013.01); **H04L 9/008** (2013.01); **H04L 9/3247** (2013.01); **H04L 9/50** (2022.05)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102021002329 A1 20221103; EP 4334872 A1 20240313; WO 2022233454 A1 20221110; WO 2022233454 A8 20240523

DOCDB simple family (application)
DE 102021002329 A 20210503; EP 2022025198 W 20220503; EP 22725994 A 20220502