

Title (en)

TRACKING CODE GENERATION, APPLICATION, AND VERIFICATION USING BLOCKCHAIN TECHNOLOGY

Title (de)

TRACKING-CODE-ERZEUGUNG, -ANWENDUNG UND -VERIFIZIERUNG UNTER VERWENDUNG VON BLOCKCHAIN-TECHNOLOGIE

Title (fr)

GÉNÉRATION, APPLICATION ET VÉRIFICATION DE CODES DE SUIVI À L'AIDE DE LA TECHNOLOGIE DES CHAÎNES DE BLOCS

Publication

EP 3847597 A1 20210714 (EN)

Application

EP 18932519 A 20181213

Priority

- US 2018065466 W 20181213
- US 201816121526 A 20180904

Abstract (en)

[origin: WO2020050869A1] A computing system includes a first peer (901a) that generates (911) a cryptographic key for each of a plurality of peers that enables a peer to access a distributed ledger. The first peer (901a) generates (903) a plurality of tracking codes (902a) and inserts first block(s) onto the distributed ledger that initiate a lifecycle and makes each code visible to the peers. A second peer (901b) imprints each code onto a corresponding physical article, inserts (902b) second block(s) onto the distributed ledger recording this imprinting and inserts third block(s) onto the distributed ledger indicating that custody (904b) of the tracking codes has been transferred to a third peer (901c). The third peer (901c) inserts fourth block(s) onto the distributed ledger indicating that receipt of custody (904c, 904d) of the tracking codes and their corresponding physical articles from the second peer (901b) has been confirmed by the third peer (901c).

IPC 8 full level

G06Q 10/08 (2012.01)

CPC (source: EP)

G06Q 10/0833 (2013.01); **G06Q 10/087** (2013.01); **G06Q 30/018** (2013.01); **H04L 9/3239** (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

DOCDB simple family (publication)

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DOCDB simple family (application)

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