

Title (en)

METHOD FOR OPERATING A DISTRIBUTED DATABASE SYSTEM, DISTRIBUTED DATABASE SYSTEM, AND INDUSTRIAL AUTOMATION SYSTEM

Title (de)

VERFAHREN ZUM BETREIBEN EINES VERTEILTEN DATENBANKSYSTEMS, VERTEILTES DATENBANKSYSTEM UND INDUSTRIEAUTOMATISIERUNGSSYSTEM

Title (fr)

PROCÉDÉ POUR FAIRE FONCTIONNER UN SYSTÈME DE BASE DE DONNÉES DISTRIBUÉ, SYSTÈME DE BASE DE DONNÉES DISTRIBUÉ ET SYSTÈME D'AUTOMATISATION INDUSTRIELLE

Publication

**EP 3877935 A1 20210915 (DE)**

Application

**EP 19812694 A 20191113**

Priority

- EP 18215152 A 20181221
- EP 2019081118 W 20191113

Abstract (en)

[origin: WO2020126236A1] A method for operating a distributed database system (1) having distributed node devices (2 - 6) for providing interlinked data blocks (Bi), in particular in the style of a blockchain (BC), that document transactions between subscribers (8), wherein transactions (TD) between subscribers (8) are protected by means of transaction data and a cryptographic signature process, involves the cryptographic signature process being defined for each transaction in order to protect the respective transaction, wherein signature information identifying the defined cryptographic signature process is part of the transaction or part of a performance request for the transaction. For each transaction, signature data are then calculated using the defined cryptographic signature process for at least some of the transaction data or the hash value thereof, and the signature data are added to the transaction data.

IPC 8 full level

**G06Q 20/00** (2012.01)

CPC (source: EP US)

**G06Q 20/00** (2013.01 - EP); **G06Q 20/38215** (2013.01 - US); **G06Q 20/401** (2013.01 - US); **H04L 9/3236** (2013.01 - US); **H04L 9/3247** (2013.01 - US); **H04L 9/50** (2022.05 - US)

Citation (search report)

See references of WO 2020126236A1

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)

**EP 3671599 A1 20200624**; CN 113508407 A 20211015; EP 3877935 A1 20210915; US 2022067727 A1 20220303; WO 2020126236 A1 20200625

DOCDB simple family (application)

**EP 18215152 A 20181221**; CN 201980092663 A 20191113; EP 19812694 A 20191113; EP 2019081118 W 20191113; US 201917414985 A 20191113