Title (en)
SYSTEMS AND METHODS FOR CONSENSUS-BASED ACCESS CONTROL FOR SMART CONTRACT FUNCTIONS

Title (de)
SYSTEME UND VERFAHREN ZUR KONSENSBASIERTEN ZUGANGSSTEUERUNG FÜR INTELLIGENTE VERTRAGSFUNKTIONEN

Title (fr)
SYSTÈMES ET PROCÉDÉS DE COMMANDE D'ACCÈS BASÉE SUR CONSENSUS POUR DES FONCTIONS DE CONTRAT INTELLIGENT

Publication
**EP 4200780 A1 20230628 (EN)**

Application
**EP 21859060 A 20210818**

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- US 202063067533 P 20200819
- US 202117331114 A 20210526
- US 2021046506 W 20210818

Abstract (en)
[origin: WO2022040315A1] Systems and methods to at least provide access control for execution of smart contract functions (methods) through consensus mechanisms are disclosed. A first smart contract is stored on a blockchain network. During execution, the first smart contract performs operations that include: aggregating a threshold number of signed blockchain transactions from authorized blockchain addresses, receiving a set of signed blockchain transactions calling a function of a target smart contract from a set of blockchain addresses, verifying that each blockchain address of the set of authorized blockchain addresses is authorized to make the call, and calling the function of the target smart contract when a number of signed blockchain transactions calling the function exceeds a threshold number.

IPC 8 full level
**G06Q 20/36** (2012.01)

CPC (source: EP)
**H04L 9/3247** (2013.01); **H04L 9/50** (2022.05)

Citation (search report)
See references of WO 2022040315A1

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)
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