

Title (en)

PARALLEL MULTI-BLOCKS CREATION SCHEME FOR BLOCKCHAIN

Title (de)

PARALLELES MULTIBLOCKBILDUNGSSCHEMA FÜR BLOCKCHAIN

Title (fr)

SCHÉMA DE CRÉATION DE BLOCS MULTIPLES PARALLÈLES POUR CHAÎNE DE BLOCS

Publication

**EP 3970343 A4 20221228 (EN)**

Application

**EP 19928892 A 20190515**

Priority

CN 2019087085 W 20190515

Abstract (en)

[origin: WO202227984A1] An apparatus comprising means for implementing a consensus mechanism for blockchain, wherein the consensus mechanism is configured to: manage miner nodes into groups of miner nodes; manage the creation of multiple-blocks by the groups of miner nodes, wherein each of the groups of miner nodes are configured to create a respective block within a round of blocks; manage for each group of miner nodes a selection of a miner leader node; manage each miner leader node to maintain a single chain structure of blockchain.

IPC 8 full level

**H04L 9/32** (2006.01); **H04L 9/00** (2022.01); **H04L 9/40** (2022.01); **H04L 67/1023** (2022.01)

CPC (source: EP)

**H04L 9/3239** (2013.01); **H04L 9/50** (2022.05); **H04L 63/126** (2013.01); **H04L 63/20** (2013.01); **H04L 67/1023** (2013.01)

Citation (search report)

- [I] CN 108847925 A 20181120 - UNIV SHENZHEN & US 2021258375 A1 20210819 - CAI SHUBIN [CN], et al
- [A] CN 109246194 A 20190118 - JOINT RES INST, et al
- [A] CN 109544334 A 20190329 - OASIS FUTURE SHENZHEN HOLDINGS CO LTD
- [A] US 2018121909 A1 20180503 - CHRISTIDIS KONSTANTINOS [US], et al
- See references of WO 2020227984A1

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

DOCDB simple family (publication)

**WO 2020227984 A1 20201119**; EP 3970343 A1 20220323; EP 3970343 A4 20221228

DOCDB simple family (application)

**CN 2019087085 W 20190515**; EP 19928892 A 20190515