

Title (en)
DISTRIBUTED PROCESSING FOR DETERMINING NETWORK PATHS

Title (de)
VERTEILTE VERARBEITUNG ZUR BESTIMMUNG VON NETZWERKPFADEN

Title (fr)
TRAITEMENT RÉPARTI POUR DÉTERMINER DES TRAJETS DE RÉSEAU

Publication
EP 4018625 A4 20230524 (EN)

Application
EP 20855511 A 20200820

Priority
• US 201916545734 A 20190820
• US 2020047261 W 20200820

Abstract (en)
[origin: WO2021035084A1] Provided is a process including: advertising a plurality of values corresponding to computing components to peer nodes of a peer-to-peer network; storing the plurality of values in a tamper-evident, distributed ledger; determining a target data center in the distributed computing environment, wherein the target data center performs computations based on data sent from a mobile computing device, and wherein the target data center executes a peer node of the peer-to-peer network; determining a network path that is linked to the target data center based on a distance to the target data center; and transferring a packet from the target data center, wherein the packet traverses the network path and comprises one or more computation results from the target data center.

IPC 8 full level
H04L 67/1095 (2022.01); **H04L 67/1097** (2022.01)

CPC (source: EP)
H04L 67/1095 (2013.01); **H04L 67/1097** (2013.01); **H04L 67/02** (2013.01)

Citation (search report)
• [Y] US 2018007604 A1 20180104 - PILLAY-ESNAULT PADMADEVI [US]
• [XY] AK ELIF ET AL: "BCDN: A proof of concept model for blockchain-aided CDN orchestration and routing", COMPUTER NETWORKS, ELSEVIER, AMSTERDAM, NL, vol. 161, 20 June 2019 (2019-06-20), pages 162 - 171, XP085785768, ISSN: 1389-1286, [retrieved on 20190620], DOI: 10.1016/J.COMNET.2019.06.018
• [A] HYPERLEDGER FABIRC: "fabric/ledger.md at a77b923f4b3228971c07d5e08d0db64d4fbb8e87 · hyperledger/fabric · GitHub", 26 March 2018 (2018-03-26), XP055604410, Retrieved from the Internet <URL:https://github.com/hyperledger/fabric/blob/a77b923f4b3228971c07d5e08d0db64d4fbb8e87/docs/source/ledger/ledger.md> [retrieved on 20190710]
• [A] LEE HAN ET AL: "Blockchain-Based Mobility Management for LTE and Beyond", 11 July 2019, ADVANCES IN DATABASES AND INFORMATION SYSTEMS; [LECTURE NOTES IN COMPUTER SCIENCE; LECT.NOTES COMPUTER], SPRINGER INTERNATIONAL PUBLISHING, CHAM, PAGE(S) 36 - 49, ISBN: 978-3-319-10403-4, XP047514167
• [A] RAJU SARAVANAN ET AL: "Design and analysis of elastic handoff in cognitive cellular networks", 2017 IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS (ICC), IEEE, 21 May 2017 (2017-05-21), pages 1 - 6, XP033132717, DOI: 10.1109/ICC.2017.7996835
• See references of WO 2021035084A1

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 2021035084 A1 20210225; CA 3148698 A1 20210225; EP 4018625 A1 20220629; EP 4018625 A4 20230524

DOCDB simple family (application)
US 2020047261 W 20200820; CA 3148698 A 20200820; EP 20855511 A 20200820