

Title (en)

METHODS AND SYSTEMS FOR IMPROVING HARDWARE RESILIENCY DURING SERIAL PROCESSING TASKS IN DISTRIBUTED COMPUTER NETWORKS

Title (de)

VERFAHREN UND SYSTEME ZUR VERBESSERUNG DER HARDWARE-RESILIENZ WÄHREND SERIELLER VERARBEITUNGSAUFGABEN IN VERTEILTEN COMPUTERNETZWERKEN

Title (fr)

PROCÉDÉS ET SYSTÈMES D'AMÉLIORATION DE RÉSILIENCE DE MATÉRIEL PENDANT DES TÂCHES DE TRAITEMENT EN SÉRIE DANS DES RÉSEAUX INFORMATIQUES DISTRIBUÉS

Publication

**EP 4094216 A1 20221130 (EN)**

Application

**EP 21921554 A 20210122**

Priority

US 2021014573 W 20210122

Abstract (en)

[origin: WO2022159094A1] Methods and systems are described for improving hardware resiliency during serial processing tasks in distributed computer networks. In particular, the system uses may use the non-repudiatory persistence of blockchain technology to store all task statuses and results across the distributed computer network in an immutable blockchain database. Coupled with the resiliency of the stored data, the system may determine a sequence of processing tasks for a given processing request and use the sequence to detect and/or predict failures. Accordingly, in the event of a detected system failure, the system may recover the results prior to the failure, minimizing disruptions to processing the request and improving hardware resiliency.

IPC 8 full level

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CPC (source: EP)

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (publication)

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DOCDB simple family (application)

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