

Title (en)

DEVICE AND METHOD FOR SERIALIZING ACCESS TO A SHARED RESOURCE

Title (de)

VORRICHTUNG UND VERFAHREN ZUR SERIALISIERUNG DES ZUGRIFFS AUF EINE GEMEINSAM GENUTZTE RESSOURCE

Title (fr)

DISPOSITIF ET PROCÉDÉ DE SÉRIALISATION D'ACCÈS À UNE RESSOURCE PARTAGÉE

Publication

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Application

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Abstract (en)

[origin: WO2020025122A1] The present invention relates to the field of task parallelization and multi-threaded runtime environments. The present invention in particular relates to thread synchronization and scheduling in multithreaded applications, and thus provides a device 100 for serializing access to a shared resource 101, wherein the device 100 is configured to operate a thread 102 to execute a light-weight process, LWP, 103; probe access by the LWP 103 to the shared resource 101, and, if the shared resource 101 is locked; push the LWP 103 to a delegation queue 104.

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