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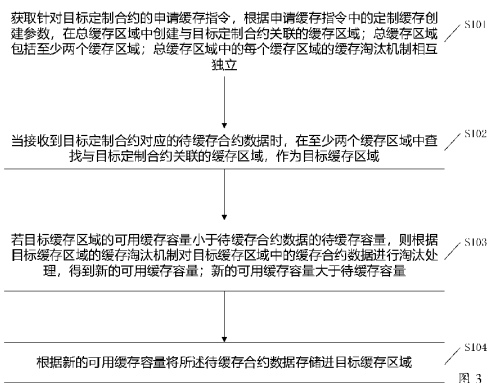
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(54) Title: BLOCKCHAIN-BASED DATA PROCESSING METHOD, APPARATUS, AND DEVICE, AND STORAGE MEDIUM

(54) 发明名称: 基于区块链的数据处理方法、装置、设备及存储介质



S101 Acquire an application cache instruction for a target customized contract, and, according to customized cache creation parameters in the application cache instruction, create in the total cache area a cache area associated with the target customized contract, the total cache area comprising at least two cache areas, and cache eviction mechanisms of the cache areas in the total cache area being independent of one another

S102 When contract data to be cached that corresponds to the target customization contract is received, search for the cache area associated with the target customization contract and use same as a target cache area

S103 If the available cache capacity of the target cache area is less than the capacity to be cached of the contract data to be cached, then, according to the cache eviction mechanism of the target cache area, perform eviction on cache contract data in the target cache area to obtain a new available cache capacity, the new available cache capacity being greater than the capacity to be cached

S104 According to the new available cache capacity, store the contract data to be cached into the target cache area

(57) Abstract: A blockchain-based data processing method, comprising: acquiring an application cache instruction for a target customized contract, and, according to customized cache creation parameters in the application cache instruction, creating in the total cache area a cache area associated with the target customized contract, the total cache area comprising at least two cache areas, and cache eviction mechanisms of the cache areas in the total cache area being independent of one another (S101); when contract data to be cached that corresponds to the target customization contract is received, searching for the cache area associated with the target customization contract and using same as a target cache area (S102); if the available cache capacity of the target cache area is less than the capacity to be cached of the contract data to be cached, then, according to the cache eviction mechanism of the target cache area, performing eviction on cache contract data in the target cache area to obtain a new available cache capacity, the new available cache capacity being greater than the capacity to be cached (S103); and, according to the new available cache capacity, storing the contract data to be cached into the target cache area (S104).

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IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT,
RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI,
CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG)。

本国际公布：

— 包括国际检索报告(条约第21条(3))。

(57) 摘要：一种基于区块链的数据处理方法，包括：获取针对目标定制合约的申请缓存指令，根据申请缓存指令中的定制缓存创建参数，在总缓存区域中创建与目标定制合约关联的缓存区域；该总缓存区域包括至少两个缓存区域，总缓存区域中的每个缓存区域的缓存淘汰机制相互独立(S101)；当接收到目标定制合约对应的待缓存合约数据时，查找与目标定制合约关联的缓存区域，作为目标缓存区域(S102)；若目标缓存区域的可用缓存容量小于待缓存合约数据的待缓存容量，则根据目标缓存区域的缓存淘汰机制对目标缓存区域中的缓存合约数据进行淘汰处理，得到新的可用缓存容量，新的可用缓存容量大于待缓存容量(S103)；根据新的可用缓存容量将待缓存合约数据存储进目标缓存区域(S104)。