

ABSTRACT

A blockchain-based data processing method includes the following steps: acquiring a cache application instruction for a target custom contract, and creating a cache region associated with the target custom contract in a total cache region according to custom cache creation parameters in the cache application instruction, the total cache region including at least two cache regions, and a cache eviction mechanism for each cache region in the total cache region being independent of each other (S101); searching for the cache region associated with the target custom contract and taking the cache region as a target cache region in a case that to-be-cached contract data corresponding to the target custom contract is received (S102); evicting cached contract data in the target cache region according to the cache eviction mechanism for the target cache region to obtain a new available cache capacity in a case that an available cache capacity of the target cache region is less than a to-be-cached capacity of the to-be-cached contract data, the new available cache capacity being greater than the to-be-cached capacity (S103); and storing the to-be-cached contract data into the target cache region according to the new available cache capacity (S104).

Fig. 3