PARALLEL BLOCK PROCESSING IN BLOCKCHAINS

ABSTRACT

Certain aspects of the present disclosure provide techniques for reporting transactions in a blockchain. The method generally includes instantiating a plurality of worker processes for processing blocks from a blockchain in parallel. Each worker process is generally associated with an offset into a buffer of blocks from the blockchain to be reported to one or more computing resources. A subject block to be reported to the one or more computing resources is selected from the buffer. The subject block is generally a block inserted into the buffer by a worker process. The subject block is validated based on a block number associated with the subject block and a block number of a next block to be reported. Based on validating the subject block, the subject block is reported to the one or more computing resources, and the subject block is marked in the buffer as a reported block.

FIG. 1