

SHARED BLOCKCHAIN DATA STORAGE BASED ON ERROR CORRECTION CODE

ABSTRACT

Disclosed herein are methods, systems, and apparatus, including computer programs encoded on computer storage media, for storing blockchain data. One of the methods includes determining, by a blockchain node, one or more blocks that are infrequently visited; performing error correction coding of the one or more blocks to generate one or more encoded blocks; dividing, based on one or more predetermined rules, each of the one or more encoded blocks to a plurality of data sets; selecting one or more data sets from the plurality of data sets of each of the one or more encoded blocks based on the one or more predetermined rules; hashing the one or more data sets to generate one or more hash values corresponding to the one or more data sets; storing the one or more hash values; and deleting the one or more data sets.

FIG. 3