

SHARED BLOCKCHAIN DATA STORAGE BASED ON ERROR CORRECTION CODE

ABSTRACT

Disclosed herein are methods, systems, and apparatus, including computer programs
5 encoded on computer storage media, for storing blockchain data based on error correction
code. One of the methods includes determining, by a blockchain node, block data associated
with a current block of a blockchain; performing error correction coding of the block data to
generate encoded data; dividing, based on one or more predetermined rules, the encoded data
to a plurality of data sets; storing, based on the one or more predetermined rules, one or more
10 data sets of the plurality of data sets; hashing each of rest of the plurality of data sets to
generate one or more hash values corresponding to the rest of the plurality of data sets; and
storing the one or more hash values.

15 FIG. 5