

ABSTRACT

Embodiments of the present application provide a data processing method based on a block chain network and a related product. The method comprises: when it is determined that a target block needs to be recovered on the basis of a check block of the target block, acquiring the check block of the target block from a service node in a witness network, the check block of the target block stored in the service node being acquired by the service node when related block data of the target block is synchronized from a consensus node in a consensus network, and the check block being used for recovering the target block; determining a data recovery reference matrix on the basis of a coding matrix and the check block acquired from the service node in the witness network; and on the basis of the data recovery reference matrix and the check block acquired from the service node in the witness network, performing recovery to obtain the target block. By means of the embodiments of the present application, the block may be successfully recovered, and the availability of the recovered block may be effectively ensured.

Fig. 7