

DATA CHECK METHOD AND STORAGE SYSTEM

ABSTRACT

A storage system includes a host, a check node, and multiple data nodes. The host is configured to: divide multiple data write requests into multiple data write request sets according to data node identifiers included in the data write requests, where each data write request set includes multiple data write requests having a same data node identifier; and when sizes of all data write requests in each of a specified quantity of data write request sets reach a preset data amount, calculate check data of the specified quantity of data write request sets. The host is further configured to: send each data write request set to a data node indicated by an identifier, and send the check data to the check node. Therefore, on a basis of ensuring data reliability, data of a same type can be stored in a same storage node and the data can be read from only one storage node, thereby improving data reading efficiency.

Figure 3