

DATA STORAGE METHOD, AUTOMATIC SYSTEM, AND MECHANICAL EQUIPMENT

ABSTRACT

5 This application relates to the technical field of automatic mechanical equipment,
specifically to a data storage method, an automatic system, and mechanical equipment. The
method includes: obtaining work data, and sequentially adding the work data into a message
queue; determining whether a storage engine uses a sequence strategy or a thread strategy
based on a data volume of the work data; when the storage engine uses the sequence strategy,
10 sequentially extracting the work data from the message queue in a single-thread mode based
on an adding sequence of the work data added to the message queue; when the storage
engine uses the thread strategy, extracting the work data from the message queue in a
multi-thread mode; and performing data cleaning on the extracted work data, and storing
normal data obtained by cleaning in a database. In the embodiment of this application, a
15 single thread can be used in case of a low data volume to avoid a waste of computing power;
and multiple threads can be used at data peak with a large data volume to ensure the data
processing speed, and the work data may also be cleaned to ensure that the normal data is
stored in the database.

20 FIG. 1