

ABSTRACT

SEWAGE TREATMENT DEVICE AND METHOD WITH ON-LINE MONITORING FUNCTION

The present invention relates to a sewage treatment device and method with on-line monitoring function, and belongs to the technical field of sewage treatment. The present invention comprises a data analysis module, and the data analysis module specifically comprises: converting the data acquired by the wireless sensors according to the fuzzy theory, further judging the combination effect between features by using the correlation information entropy metrics, proposing to use the feature ordering CMFS algorithm to reduce the redundant information between the features, and realizing the adaptive activation and termination of the multi-feature fuzzy semantic set, so as to perform sequential search on the fuzzy semantic set for the overlapping information by the feature ordering CMFS algorithm to acquire redundant information in the fuzzy semantic set. The method can effectively eliminate redundant information, further improve the data processing capability of the remote monitoring terminal, effectively increase the processing efficiency of the remote monitoring terminal on the data acquired by the wireless sensors, and effectively enhance the operational robustness of the sewage remote monitoring terminal.

Figure 1