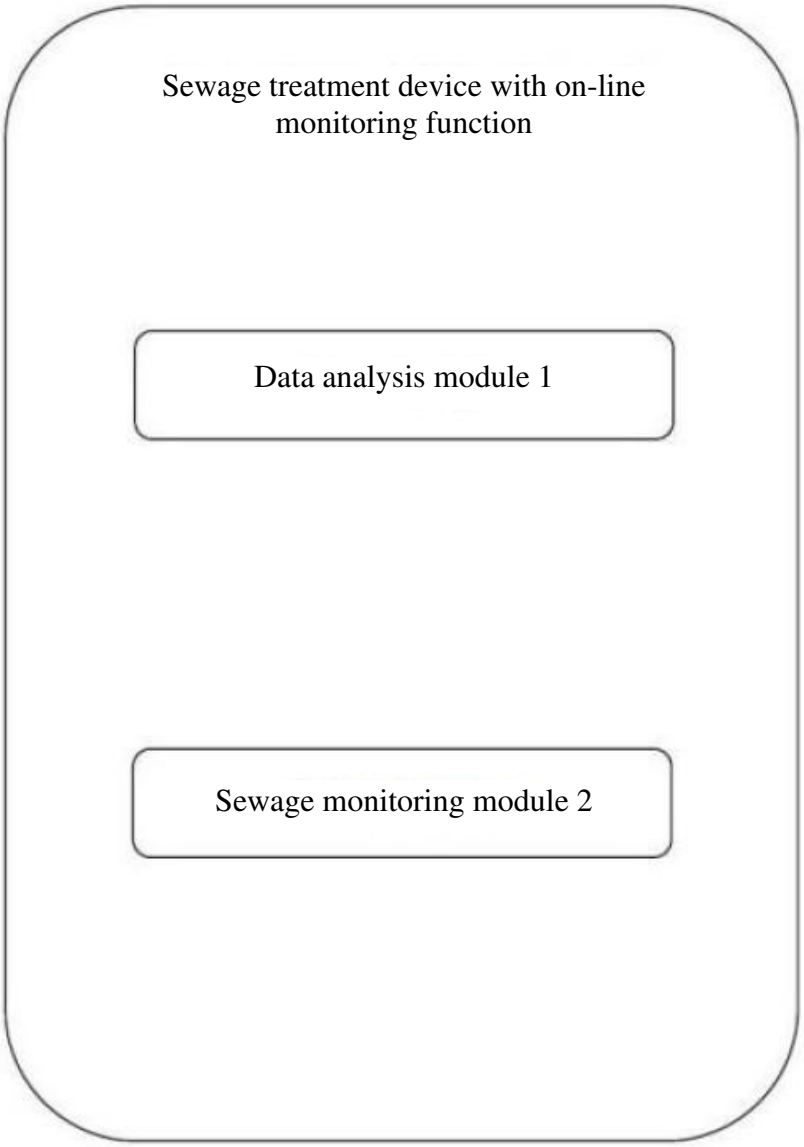

Sewage treatment device with on-line monitoring function
Data analysis module 1
Sewage monitoring module 2

Figure 1

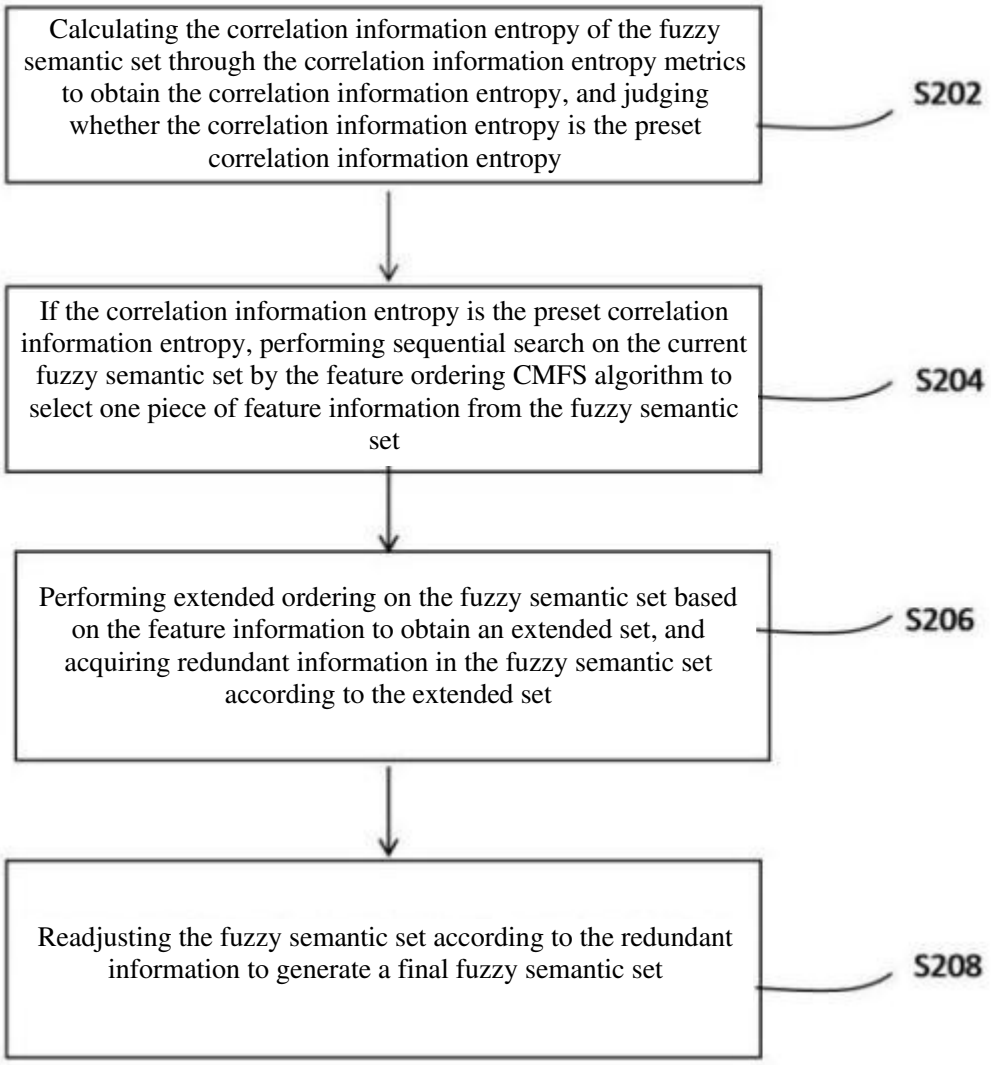

Calculating the correlation information entropy of the fuzzy semantic set through the correlation information entropy metrics to obtain the correlation information entropy, and judging whether the correlation information entropy is the preset correlation information entropy
S202
If the correlation information entropy is the preset correlation information entropy, performing sequential search on the current fuzzy semantic set by the feature ordering CMFS algorithm to select one piece of feature information from the fuzzy semantic set
S204
Performing extended ordering on the fuzzy semantic set based on the feature information to obtain an extended set, and acquiring redundant information in the fuzzy semantic set according to the extended set
S206
Readjusting the fuzzy semantic set according to the redundant information to generate a final fuzzy semantic set
S208

Figure 2

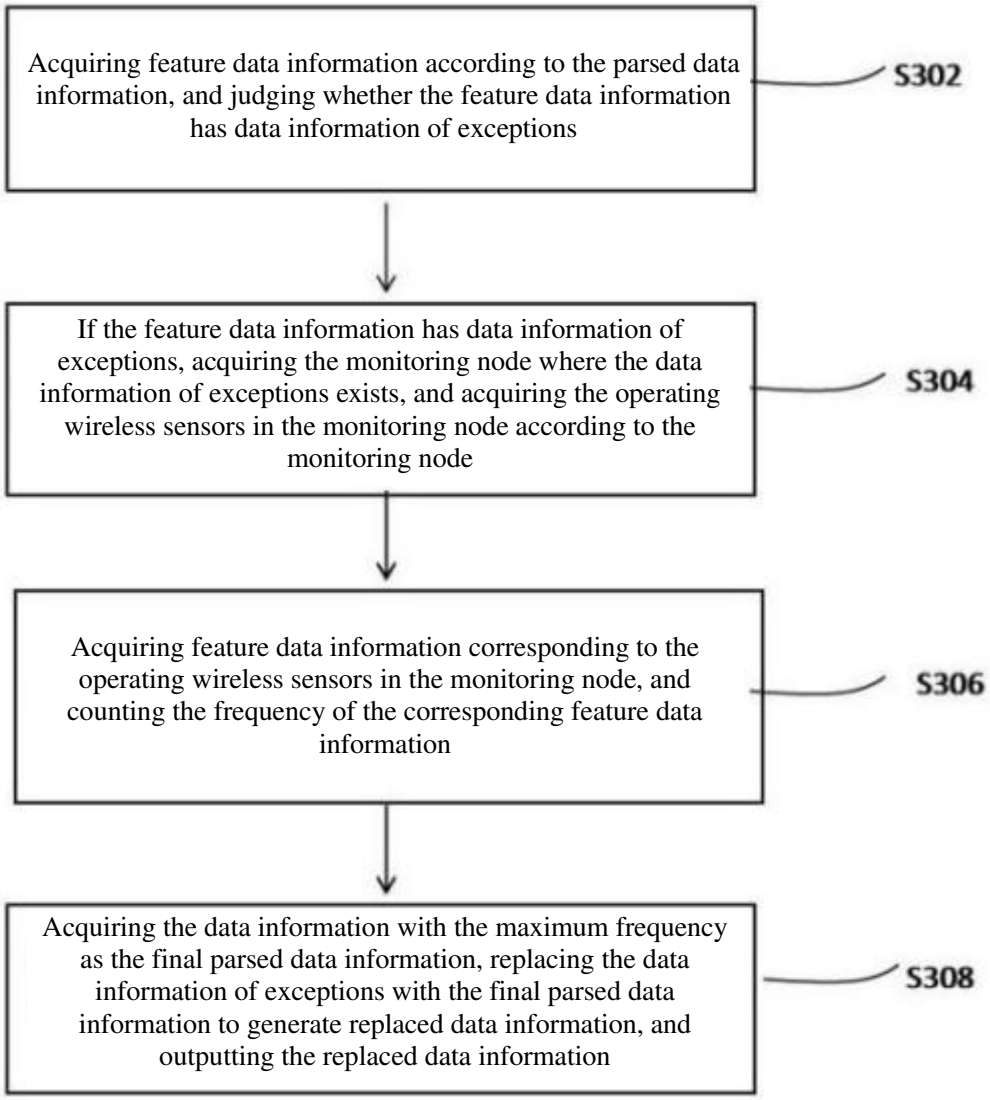

Acquiring feature data information according to the parsed data information, and judging whether the feature data information has data information of exceptions
S302
If the feature data information has data information of exceptions, acquiring the monitoring node where the data information of exceptions exists, and acquiring the operating wireless sensors in the monitoring node according to the monitoring node
S304
Acquiring feature data information corresponding to the operating wireless sensors in the monitoring node, and counting the frequency of the corresponding feature data information
S306
Acquiring the data information with the maximum frequency as the final parsed data information, replacing the data information of exceptions with the final parsed data information to generate replaced data information, and outputting the replaced data information
S308

Figure 3

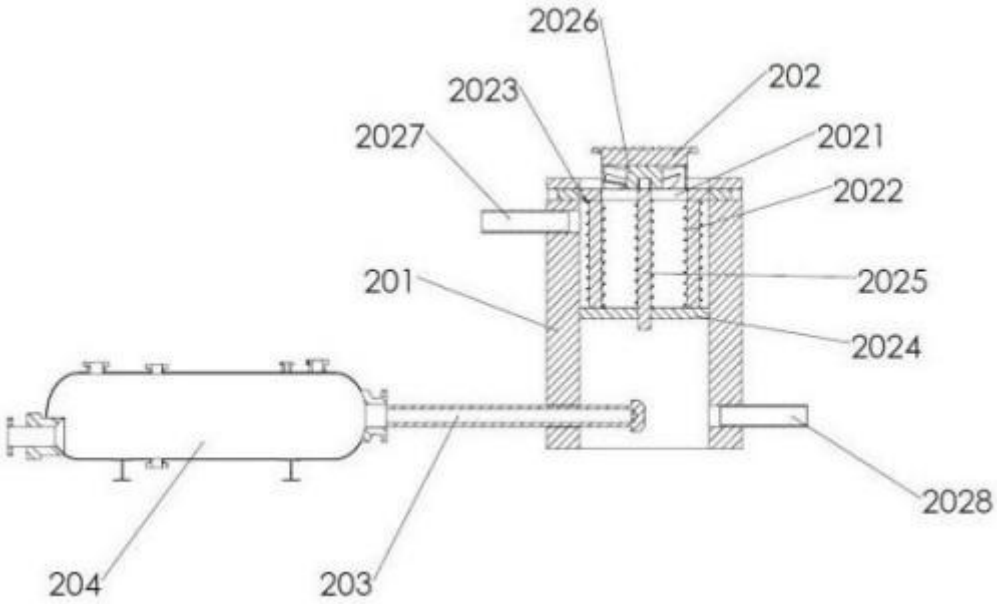


Figure 4