

OPERATION CONTROL SYSTEM OF CIRCULATING FLUIDIZED BED

BOILER

ABSTRACT

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Disclosed is an operation control system of a circulating fluidized bed boiler which can perform control for optimizing a plurality of index items of the circulating fluidized bed boiler by a plurality of setting items. The operation control system includes a boiler controller 27 which perform operation of a boiler 2 with an operation
10 amount MV determined based on comparison between the input values SV3 of a plurality of setting items and the actual measurement values of a plurality of index items, a Bayesian network inference unit 39 which selects some of a plurality of setting items and calculates adjustment values SV2 for adjusting the input values SV1 of the selected setting items, and an input value adjustment unit 51 which transfers adjusted input values,
15 which are a function of the operator input values SV1 to be values input by an operator and the adjustment values SV2, to the boiler controller 27 as the input values SV3 of the selected setting items. The Bayesian network inference unit 39 performs calculation using a Bayesian network to calculate the adjustment values SV2.

(Figure 2)

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