

This Sheet Has Been Replaced



Abstract

In order to carry out the method for controlling the firing rate of the combustion installation, the fire grate (1) is equipped with a plurality of undergrate zones (7.1 to 7.5). In order to determine the control signal, the undergrate zone (for example 7.2) at the beginning of the main combustion zone is equipped with the corresponding measurement devices, namely a temperature sensor (17) and a pressure sensor (19) and the associated air supply line (for example 8.2) is equipped with an airflow measuring device (18). A further pressure sensor (20) is provided in the furnace space (3) so that the static pressure difference between the undergrate zone and the furnace space can be determined. The measured values from this measurement equipment are supplied to a central computer ZR which outputs, if necessary taking account of a flow coefficient α , a control signal R to the control device RE, which is connected to the various setting devices (21 to 24), in order to influence the stoking speed of the grate, the fuel deposition rate, the slag removal rate and, if necessary, the airflow to the individual undergrate zones.

(Fig. 1)

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