

Title (en)

Process and apparatus for regulating the firing power of combustion plants

Title (de)

Verfahren und Vorrichtung zur Regelung der Feuerungsleistung von Verbrennungsanlagen

Title (fr)

Méthode et dispositif de régulation de la puissance de combustion d'installations de combustion

Publication

EP 0352620 B1 19961106 (DE)

Application

EP 89113259 A 19890719

Priority

DE 3825931 A 19880729

Abstract (en)

[origin: JPH0278819A] PURPOSE: To achieve improvements in the control of combustion efficiency, by controlling the supply of primary air being distinguished by zones even in the horizontal direction of a combustion grate to supply the primary air to individual combustion zones while individual combustion zones are monitored. CONSTITUTION: A supply of combustion air as primary air is performed to a ventilation distributor 9 under grates by a blower 7. An air pipe 10 is linked to ventilation zones 11-15 under the grates. The ventilation zones under the grates are not only divided in the longitudinal direction of the combustion grates but also subsectioned into ventilation zones under the individual grates. A video camera 18 provided on the ceiling 19 of a path 20 of a gas is so regulated as to allow observation of the combustion grates 1 through a combustion chamber 6. The camera is linked to a monitoring device 21 and a calculator 22. The calculator compares values indicating luminance in respective combustion zones with preselected standard values and when a deviation exists, a controller 17 in an air pipe 16 is adjusted via a controller 23.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Cited by

FR3048278A1; DE4191444C2; NL9301826A; SG101488A1; AT402555B; FR2661733A1; DE4428159A1; DE4428159C2; DE19919222C1; EP0766080A1; US5813767A; EP0718553A1; EP1046861A1; EP1048900A1; WO9103686A1; EP0802372A1; EP3865771A3

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