

Title (en)
Combustion control apparatus

Title (de)
Verbrennungsregeleinrichtung

Title (fr)
Dispositif de commande de combustion

Publication
EP 0682210 B1 19971029 (EN)

Application
EP 95103639 A 19950314

Priority
JP 4900494 A 19940318

Abstract (en)
[origin: EP0682210A1] A combustion control apparatus, which can prevent a flame vibration which occurs within a burning appliance, is provided. Flow sensors 9a, 9b detect the amount of the flow of combustion air flowing through a duct 1 and supplies a corresponding signal to a control circuit 10. When flame vibration occurs within the duct 1, the pressure distribution of combustion air changes and correspondingly, the amount of the flow of combustion air changes. Then, when the changes of the flow amounts detected by the flow sensors 9a, 9b are small, namely when flame vibration is small, the control circuit 10 adjusts the degree of the opening of a dumper 3 or the rotation speed of a fan motor depending on the change of the flow amount in order to suppress flame vibration. If flame vibration increases further, the control circuit 10 adjusts the degree of the opening of the dumper 3 or the rotation speed of the fan motor and simultaneously drives the adjusting valve 11 to adjust the amount of the flow of gas, thereby further suppressing flame vibration. <IMAGE>

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Cited by
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