

Title (en)

Boiler with combustion control apparatus

Title (de)

Heizkessel mit einer Verbrennungssteuereinrichtung

Title (fr)

Chaudière avec un dispositif de commande de combustion

Publication

EP 1054215 A1 20001122 (EN)

Application

EP 99108671 A 19990517

Priority

EP 99108671 A 19990517

Abstract (en)

A boiler (100) with combustion control apparatus having a phototransistor (30) for precisely detecting a combustion status of the boiler is disclosed. The boiler (100) with the combustion control has a burner for generating a flame by means of a mixing fuel containing combustion gas and air, and the phototransistor (30) for detecting a light wavelength of the flame. A combustion chamber cover (20) is installed between the burner and the phototransistor (30). A heat-resistant window (25) is installed on the combustion chamber cover (20) in a straight line with the flame (F) and the phototransistor (30) so that the heat-resistant window (25) can prevent heat of the flame from transmitting into the phototransistor (30) while normally sensing the light of the flame (F). A control part is installed in the combustion control apparatus of the boiler in order to control the amount of air flowing into the burner according to output signal of the phototransistor (30). <IMAGE>

IPC 1-7

F23N 5/08

IPC 8 full level

F23N 5/08 (2006.01)

CPC (source: EP)

F23N 5/082 (2013.01)

Citation (applicant)

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Designated contracting state (EPC)

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