

Title (en)  
CONTROL METHOD FOR A GAS BOILER

Title (de)  
STEUERVERFAHREN FÜR EINEN GASHEIZKESSEL

Title (fr)  
MÉCANISME DE COMMANDE POUR CHAUDIÈRE À GAZ

Publication  
**EP 4306850 A1 20240117 (EN)**

Application  
**EP 22185098 A 20220715**

Priority  
EP 22185098 A 20220715

Abstract (en)  
Method (100) for controlling the operation of a combustion appliance (1), in particular a gas boiler, wherein the combustion appliance (1) is operable between a minimum load ( $Q_{\text{min}}$ ) and a maximum load ( $Q_{\text{max}}$ ), the method comprising providing (S101) a mixture of air and fuel gas to the combustion appliance (1), controlling (S102) one or more actuators (2, 3) of the combustion appliance (1) to regulate the air flow and/or the fuel gas flow, and defining (S103) a lambda value, the lambda value being an air to fuel gas ratio of the mixture, wherein in a load range between the minimum load ( $Q_{\text{min}}$ ) and the maximum load ( $Q_{\text{max}}$ ), the lambda value first decreases and then stops to decrease.

IPC 8 full level  
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Citation (search report)

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