

Title (en)

Air-fuel ratio control device for heat generators, particularly for civil plants.

Title (de)

Luft-Brennstoff-Verhältnissteuervorrichtung für Wärmeerzeuger, insbesondere für häusliche Anlagen.

Title (fr)

Dispositif de commande du rapport comburant-combustible pour générateurs de chaleur, notamment d'installations domestiques.

Publication

**EP 0488969 A2 19920603 (EN)**

Application

**EP 91830521 A 19911127**

Priority

IT 4853690 A 19901130

Abstract (en)

This invention relates to a device for controlling the fuel/comburant ratio in heat generators, in particular for civil plants, said device comprising a first fuel flowrate sensor (1) which is sensitive to the mass flowrate and is capable of transducing the presence/absence of network at the terminals of the fuel flowrate control means into an ON/OFF electric signal, a second comburant flowrate sensor (2) which is sensitive to the mass flowrate, a transduction, control and actuation electronic member (3) which is capable of determining the operation of the device itself on the basis of values set forth in the start step and on the basis of the signals that arrive from the two sensors, and a motorized control means (9) which, following a command of an electric impulse sent by said electronic member (3) opens or closes the opening for the passage of comburant air so as to keep the fuel/comburant ratio constant. <IMAGE>

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Cited by

EP3889505A1; FR2723630A1; US6285922B1; CN110753891A; CN114109616A; WO9720175A1; WO9906768A1; WO2010126754A1; US8191387B2; US8549883B2; US11365886B2

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