Title (en)

METHOD FOR CONTROLLING A GAS MIXTURE USING A GAS MIXTURE SENSOR

Title (de)

VERFAHREN ZUR REGELUNG EINES GASGEMISCHES UNTER NUTZUNG EINES GASGEMISCHSENSORS

Title (fr)

PROCÉDÉ DE RÉGLAGE D'UN MÉLANGE GAZEUX AU MOYEN D'UN CAPTEUR DE MÉLANGE GAZEUX

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Application

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Abstract (en)

[origin: WO2020148434A1] The invention relates to a method for controlling a gas mixture (5, 105) formed from a gas (2, 104) and a fuel gas (1, 103) in a fuel-gas-operated heating device, wherein: the gas mixture is created by a gas amount and a fuel gas amount being provided by a first actuator (4, 107) and a second actuator (3, 102) respectively and then mixed; a microthermal gas mixture sensor (6, 106, 108), which detects at least one material property of the gas mixture (5, 105), is supplied with the gas mixture and continuously transmits a sensor signal dependent on the particular gas mixture to a control device (7, 100); the control device (7, 100) compares the detected sensor signal with a set-point value of the sensor signal and, in the event that the detected sensor signal deviates from the set-point sensor signal, actuates at least one of the first and second actuators, as a result of which the gas mixture (5, 105) is adjusted by increasing or reducing the gas amount and/or increasing or reducing the fuel gas amount, until the set-point value of the sensor signal is achieved.

IPC 8 full level

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