

Title (en)

Method for operating a gas burner

Title (de)

Verfahren zum Betrieb eines Gasbrenners

Title (fr)

Procédé de fonctionnement d'un brûleur à gaz

Publication

EP 2631541 B1 20180411 (EN)

Application

EP 12157091 A 20120227

Priority

EP 12157091 A 20120227

Abstract (en)

[origin: EP2631541A1] Method for operating a gas burner (10), wherein during burner-on phases a defined gas/air mixture having a defined mixing ratio of gas and air is provided to a burner chamber (11) of the gas burner (10) for combusting the defined gas/air mixture within the burner chamber (11). The defined gas/air mixture is provided by a mixing device (23) mixing an air flow provided by an air duct (15) with a gas flow provided by a gas duct (16). The defined mixing ratio of gas and air of the defined gas/air mixture is calibrated to different gas qualities on basis of a signal provided by a sensor (13) positioned downstream of the mixing device (23). Before the calibration of the defined gas/air mixture is started the gas/air mixture is changed and a dead time between the change of the gas/air mixture and a corresponding signal change of a sensor (13, 24) positioned downstream of the mixing device (23) is determined. The dead time is compared with a reference value, whereby the defined gas/air mixture is calibrated to different gas qualities only if the determined dead time is equal or smaller than the reference value.

IPC 8 full level

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CPC (source: EP)

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Citation (examination)

EP 0833106 B1 20011114 - HONEYWELL BV [NL]

Cited by

DE102015223177A1; EP3477201A1; US10520186B2; EP3043115A1; EP3228936A1; WO2019081464A1; EP3875855A1; DE102020106040A1

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