

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 A1 20130828 (EN)

Application
EP 12157091 A 20120227

Priority
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Abstract (en)
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.

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Citation (applicant)
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