

Title (en)

Gas burner, method for operating the same and multi gas burner system

Title (de)

Gasbrenner, Betriebsverfahren davon und Brennersystem für mehrere Gase

Title (fr)

Brûleur à gaz, procédé de fonctionnement associé et système de brûleur à gaz multiples

Publication

**EP 2623865 B1 20200408 (EN)**

Application

**EP 12153790 A 20120203**

Priority

EP 12153790 A 20120203

Abstract (en)

[origin: EP2623865A1] Method for operating a gas burner (10), wherein during burner-on phases a 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 gas/air mixture with the burner chamber (11), wherein the gas/air mixture is provided by mixing an air flow provided by an air duct (15) with a gas flow provided by a gas duct (16), wherein the defined mixing ratio of the gas/air mixture is controlled by comparing an actual value provided by an electrical or electronic sensor (23) coupled to the gas duct (16) with a nominal value and by generating a control variable for a gas valve (17) assigned to the gas duct (16) on basis of the control deviation between the actual value and the nominal value, and wherein during burner-off phases the actual value provided by the electrical or electronic sensor (23) is used to determine backflow.

IPC 8 full level

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CPC (source: EP)

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Cited by

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