

Title (en)
Gas mixing apparatus for a gas burner

Title (de)
Gasmischvorrichtung für einen Gasbrenner

Title (fr)
Dispositif de mélange pour un brûleur à gaz

Publication
EP 1486727 B1 20111207 (DE)

Application
EP 04013066 A 20040603

Priority
DE 10326267 A 20030611

Abstract (en)
[origin: EP1486727A1] The gas mixing device (1) for a gas burner (50) consists of a gas fitting (30) connected via a gas feed pipe (40) to a mixing chamber (10) which has at least one air inlet opening (12). A linearizing element (41) is installed in the gas pipe, and an additional linearizing element (11) for air feed is installed in the mixing chamber. The linearizing element in the gas feed pipe is constructed as a laminar flow element, and the linearizing element in the mixing chamber is the air inlet opening with a control element (13) fitted behind it. An independent claim is included for a method for the operating of a mixing device for a gas burner in which the pressure to volume flow ratio in the gas feed pipe is linearized by a linearizing element, and the airflow in the mixing chamber is linearized by at least one additional linearizing element.

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CPC (source: EP)
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ES2717144A1; EP3608591A1; CN110894955A; US2010314469A1; EP2824390A4; WO2008135030A3; WO2008058640A1

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