

Title (en)

Method and device for operating an atmospheric, in particular a fully premixed gas burner

Title (de)

Verfahren und Vorrichtung zum Betreiben eines atmosphärischen, insbesondere vollvormischenden Gasbrenners

Title (fr)

Procédé et dispositif pour la mise en oeuvre d'un brûleur atmosphérique, en particulier à prémélange total

Publication

**EP 0959300 A3 20000202 (DE)**

Application

**EP 99109022 A 19990507**

Priority

DE 19822336 A 19980519

Abstract (en)

[origin: EP0959300A2] A gas burner which operates at atmospheric pressure has gas jets which inject gas into a mixing chamber (12) topped by burners (16). The gas jets drag air into the mixing chamber and a blower (26) provides enhanced air flows. A variable control valve (30) regulates the air flow to match the burn rate. The air jets can be angled w.r.t. the gas jets or can be arranged as ring jets around each gas jet.. The air jets can be positioned at a different height to the gas jets depending on the mixing effect required.

IPC 1-7

**F23D 14/64**

IPC 8 full level

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CPC (source: EP)

**F23D 14/60** (2013.01); **F23D 14/64** (2013.01); **F23D 2900/14641** (2013.01)

Citation (search report)

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