

Title (en)  
GASBURNER

Publication  
**EP 0309838 B1 19920304 (DE)**

Application  
**EP 88115256 A 19880917**

Priority  
DE 3732482 A 19870926

Abstract (en)  
[origin: US4960378A] The gas burner comprises a mixer, a conical transition member adjacent thereto on which a cylindrical burner shell with openings and whose top is closed by a burner lid is mounted. Clamped between the burner lid and the transition member is a throttling cylinder which is filled by the super-stoichiometric gas mixture at super-atmospheric pressure. In order to avoid burner pulsations the cylinder has throttling openings whose total area is 2 to 10% of the total area of the openings. The throttling openings are in a plurality of circular rows above one another in such a manner that they are on a respective vertical line. Vertical, imperforate sections of the burner shell are opposed to the lines so that the mixture jets from the throttling openings do not impinge directly on the openings. The cylinder is provided at a coaxial spacing of 5 mm from the burner shell.

IPC 1-7  
**F23D 14/02**

IPC 8 full level  
**F23D 14/02** (2006.01); **F23D 14/34** (2006.01); **F23D 14/58** (2006.01); **F23D 14/62** (2006.01)

CPC (source: EP US)  
**F23D 14/34** (2013.01 - EP US); **F23D 14/58** (2013.01 - EP US); **F23D 14/62** (2013.01 - EP US); **F23D 2203/1012** (2013.01 - EP US); **F23D 2210/00** (2013.01 - EP US)

Cited by  
EP0698766A3; US5062788A; EP0530630A1; DE19934612A1; EP0554541A3; CH694972A5; EP0922668A1; FR2772368A1; EP0864813A1; NL1005494C2; DE19831933C1; EP0816285A1; FR2750412A1; US6343927B1; EP2037175B1

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