

Title (en)

Mixing device for gas and oil burner

Title (de)

Mischeinrichtung für Gas- und Ölbrenner

Title (fr)

Dispositif de mélange pour brûleur à gaz et à huile

Publication

EP 0864812 A3 19990616 (DE)

Application

EP 98104380 A 19980311

Priority

- AT 42397 A 19970312
- AT 211097 A 19971215

Abstract (en)

[origin: EP0864812A2] The burner has a burner pipe and an end opening. The front part of the burner part contains a truncated cone-shaped inner pipe (2) containing a coaxial nozzle pipe (7) with fuel inlet. An ignition electrode is positioned in front of the pressure pulveriser nozzle (5). The burner pipe (1), inner pipe and nozzle pipe through which air flows have at least one rear air inlet hole and at least one front air outlet hole. Between the nozzle pipe and inner pipe is a further swirl generator. The swirl currents in the nozzle and inner pipes are supercritical and run in the same rotary direction, while the air flow between the inner and burner pipes is not subject to swirling.

IPC 1-7

F23D 11/40; **F23D 14/24**; **F23C 9/08**

IPC 8 full level

F23C 9/00 (2006.01); **F23C 9/08** (2006.01); **F23D 11/40** (2006.01); **F23D 14/24** (2006.01)

CPC (source: EP)

F23C 9/006 (2013.01); **F23C 9/08** (2013.01); **F23D 11/40** (2013.01); **F23D 14/24** (2013.01); **F23C 2202/30** (2013.01); **F23C 2202/50** (2013.01); **F23C 2900/09002** (2013.01); **F23D 2208/10** (2013.01)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 002, no. 091 (M - 028) 26 July 1978 (1978-07-26)
- [A] PATENT ABSTRACTS OF JAPAN vol. 002, no. 050 (M - 015) 10 April 1978 (1978-04-10)

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