

Title (en)
Burner

Title (de)
Brenner

Title (fr)
Bruleur

Publication
EP 0694730 B1 20011219 (DE)

Application
EP 95810443 A 19950705

Priority
DE 4426353 A 19940725

Abstract (en)
[origin: EP0694730A2] The burner (100) consists basically of at least two hollow conical part bodies (101,102) movable relative to each other in the flow direction. The longitudinal axes of symmetry of these bodies are offset. Their adjacent walls form tangential air intake slits in the longitudinal direction to take combustion airflow (115) into the internal space (114) of the burner. The thorough flow cross-section of the tangential slits decreases in the flow direction of the burner, with a stabilising effect on the backflow zone (106) at the exit from the burner. <IMAGE>

IPC 1-7
F23D 11/40; **F23R 3/12**

IPC 8 full level
F23R 3/30 (2006.01); **F23C 1/08** (2006.01); **F23C 7/00** (2006.01); **F23D 11/40** (2006.01); **F23D 17/00** (2006.01); **F23R 3/12** (2006.01)

CPC (source: EP US)
F23C 7/002 (2013.01 - EP US); **F23D 11/402** (2013.01 - EP US); **F23D 17/002** (2013.01 - EP US); **F23R 3/12** (2013.01 - EP US);
F23C 2900/07002 (2013.01 - EP US)

Cited by
EP0783089A3; EP0786626A1; EP0780628A3; EP0851176A3; EP0797051A3; EP2722592A1; US6834504B2; US9464810B2

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DE 59509959 D1 20020131; JP H08189611 A 19960723; US 5562441 A 19961008

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