

Title (en)
Burner.

Title (de)
Brenner.

Title (fr)
Brûleur.

Publication
EP 0433790 B1 19950308 (DE)

Application
EP 90123495 A 19901207

Priority
CH 460289 A 19891222

Abstract (en)
[origin: EP0433790A1] A burner (1), with a conical shape opening in the direction of flow, is composed of two part cone members (2, 3) which are positioned on top of one another and the central axes (2a, 3a) of which run in a displaced manner in relation to one another in the longitudinal direction. From this displacement, a tangential inlet slot to the interior (17) of the burner (1) is in each case formed over the length of the burner (1). The fuel supply takes place centrally via a nozzle (9) and tangentially in the region of the inlet slots via a fuel pipe (10, 11) in each case, which is provided with fuel openings (21) which there take on the injection of the fuel (6). Above each inlet slot, a duct is formed, which is equipped with an injector (12, 13). Additional fuel (4) is introduced by this injector. The air/fuel mixture with fuel from the injector (12, 13) and/or fuel from the fuel pipe (10, 11) flows generally in the form of an air/fuel mixture (8) through the tangential inlet slots into the interior (17) of the burner (1). There, if necessary, further mixing with the fuel (5) from the nozzle (9) takes place. <IMAGE>

IPC 1-7
F23D 17/00; **F23D 11/00**; **F23C 7/00**

IPC 8 full level
F23D 14/64 (2006.01); **F23C 7/00** (2006.01); **F23C 99/00** (2006.01); **F23D 11/00** (2006.01); **F23D 11/40** (2006.01); **F23D 17/00** (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); **F23C 2900/07002** (2013.01 - EP US); **F23D 2210/00** (2013.01 - EP US)

Cited by
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Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)
EP 0433790 A1 19910626; **EP 0433790 B1 19950308**; AT E119650 T1 19950315; CA 2032562 A1 19910623; CH 680467 A5 19920831; DE 59008639 D1 19950413; JP 3011775 B2 20000221; JP H04136606 A 19920511; PL 288225 A1 19911216; RU 2011117 C1 19940415; US 5169302 A 19921208

DOCDB simple family (application)
EP 90123495 A 19901207; AT 90123495 T 19901207; CA 2032562 A 19901218; CH 460289 A 19891222; DE 59008639 T 19901207; JP 40429990 A 19901220; PL 28822590 A 19901212; SU 4894092 A 19901221; US 63195290 A 19901221