

Title (en)

Burner for the operation of a heat generator

Title (de)

Brenner für den Betrieb eines Wärmeerzeugers

Title (fr)

Brûleur pour la mise en oeuvre d'un générateur de chaleur

Publication

EP 0918191 B1 20030702 (DE)

Application

EP 97810894 A 19971121

Priority

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Abstract (en)

[origin: EP0918191A1] A fuel fired heater has the fuel and air mixed in a diverging chamber and moved through a swirl effect section into a mixing chamber and into the burner. The fuel is added by main jets (105) and by tangential jets and ducts in the first chamber. The mixture is moved through profiled guides (201) to generate the swirl effect. The selection of fuel jets, and their position, is determined by the calorific value of the fuel. The fuel ducts are fitted with guides to control the fuel flow pattern. The swirl effect is maintained through the mixing chamber to expand into the burner.

IPC 1-7

F23D 17/00; **F23D 11/40**; **F23D 14/02**; **F23C 7/00**

IPC 8 full level

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CPC (source: EP US)

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Cited by

JP2014016150A; EP2722591A1; EP1201995A3; DE10029607A1; EP2685161A1; US9933163B2; US7445445B2; US6769903B2; WO0196785A1; US6684640B2; US7520745B2; US9464810B2

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