

Title (en)

Pulverized fuel fired flame-tube boiler

Title (de)

Staubgefeuerter Flammrohrkessel

Title (fr)

Chaudière à tube-foyer à combustible pulvérulent

Publication

EP 1447622 B1 20100428 (DE)

Application

EP 04000885 A 20040116

Priority

DE 10301857 A 20030117

Abstract (en)

[origin: EP1447622A2] To fire a high power flue boiler, with a coal fuel dust, a high proportion of the fuel is burned in a pre-combustion chamber (1) with a supply of combustion air (L), and the emerging gas flame (6) is accelerated by at least 80% by a jet (2) to be blown into the boiler flue (7) . The gas flame is blown into the boiler flue coaxially, or at an angle of 8-14[deg] against the flue axis selected to ensure that the upper mantle line of the flame is parallel to the flue mantle line.

IPC 8 full level

F23D 1/00 (2006.01); **F23C 3/00** (2006.01); **F23C 5/08** (2006.01); **F23C 6/04** (2006.01); **F23C 7/00** (2006.01)

CPC (source: EP)

F23C 3/002 (2013.01); **F23C 5/08** (2013.01); **F23C 6/04** (2013.01); **F23C 7/004** (2013.01); **F23D 1/00** (2013.01); **F23C 2900/03005** (2013.01); **F23C 2900/06041** (2013.01)

Cited by

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DOCDB simple family (publication)

EP 1447622 A2 20040818; **EP 1447622 A3 20040915**; **EP 1447622 B1 20100428**; AT E466238 T1 20100515; DE 10301857 A1 20040729; DE 502004011085 D1 20100610

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