

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  
CN102944014A; CN103791494A

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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