

Title (en)  
Pulverized coal burner

Title (de)  
Kohlenstaubbrenner

Title (fr)  
Brûleur à charbon pulvérisé

Publication  
**EP 1219894 A1 20020703 (EN)**

Application  
**EP 02006379 A 19980729**

Priority  
EP 98114219 A 19980729

Abstract (en)  
In a pulverized fuel burning boiler comprising a furnace and a pulverized fuel burner (302) for supplying a pulverized fuel mixture into the furnace so as to be burned, the burner (302) has an increased width and a reduced height so as to effect a high thermal load combustion of fuel in a narrow area. A separately provided additional air port (314) is disposed above the burner (302) and a twist plate (312) is disposed within a pulverized fuel pipe (310) for biasing a pulverized fuel to an inner side of the furnace. A combustion secondary air injection port (309) of the burner (302) is arranged in the burner (302) so as to increase an opening area close to a furnace wall side to thereby increase an amount of air close to a furnace wall side.

IPC 1-7  
**F23C 5/32**; **F23D 1/00**

IPC 8 full level  
**F23C 5/32** (2006.01); **F23D 1/00** (2006.01)

CPC (source: EP)  
**F23C 5/32** (2013.01); **F23D 1/00** (2013.01); **F23D 2201/101** (2013.01); **F23D 2201/20** (2013.01)

Citation (search report)  
• [A] EP 0405294 A2 19910102 - BALCKE DUERR AG [DE]  
• [A] DE 890254 C 19530917 - KOHLENSCHEIDUNGS GMBH  
• [A] US 5315939 A 19940531 - RINI MICHAEL J [US], et al

Cited by  
US2009305179A1; WO2006130041A1

Designated contracting state (EPC)  
BE NL

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**EP 0976977 A1 20000202**; **EP 0976977 B1 20030326**; EP 1219893 A1 20020703; EP 1219893 B1 20060118; EP 1219894 A1 20020703; EP 1219894 B1 20060405

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