

Title (en)
Burner for pulverulent fuel

Title (de)
Brenner für staubförmigen Brennstoff

Title (fr)
Brûleur pour combustible pulvérulent

Publication
EP 0571704 B1 19961227 (DE)

Application
EP 93100713 A 19930119

Priority
DE 4217879 A 19920529

Abstract (en)
[origin: EP0571704A2] A burner for burning pulverulent fuel with combustion air divided up into concentric part flows has a primary air pipe (6) which conducts primary air or primary gas and coal dust and which is surrounded by a secondary air pipe (11) conducting secondary air and a tertiary air pipe (12) conducting tertiary air. The secondary air pipe (11) is extended into an inner burner throat (13) and the tertiary air pipe (12) is extended into an outer burner throat (14). The secondary air pipe (11) and the tertiary air pipe (12) are in each case connected to a spiral-shaped inlet housing (17, 18) with separate air inlet pipes (24, 25). Arranged both in the secondary air pipe (11) and in the tertiary air pipe (12) are devices for increasing or reducing the swirl. <IMAGE>

IPC 1-7
F23D 1/02; **F23C 7/00**

IPC 8 full level
F23C 7/00 (2006.01); **F23D 1/02** (2006.01)

CPC (source: EP)
F23C 7/004 (2013.01); **F23D 1/02** (2013.01)

Cited by
DE102011018697A1; SG118428A1; CN1095971C; DE102005032109B4; EP1741977A1; DE102006022657A1; DE102006022657B4; EP1998112A3; CN105402723A; CN102078950A; CN105927977A; CN102767824A; US5979342A; EP0711952A3; US6116171A; EP0836048A1; US5823764A; US5964166A; CN103672880A; US7303388B2; WO2019105540A1; WO0111288A1; EP2518402A1

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