

Publication

**EP 0571704 A3 19940209**

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)

Citation (search report)

- [DA] EP 0445938 A1 19910911 - HITACHI LTD [JP], et al
- [A] DE 3131962 A1 19830224 - STEAG AG [DE]
- [A] WO 9206328 A1 19920416 - MASSACHUSETTS INST TECHNOLOGY [US]
- [A] EP 0200644 A1 19861105 - CHARBONNAGES DE FRANCE [FR]

Cited by

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

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