

Title (en)  
PULVERIZED-COAL BURNER

Publication  
**EP 0231628 A3 19871119 (EN)**

Application  
**EP 86309722 A 19861212**

Priority  
GB 8530734 A 19851213

Abstract (en)  
[origin: EP0231628A2] A burner adapted for use with pulverised coal has an annular swirling coal and primary air supply (2) located inside a swirling annular secondary air supply (3) with a hollow rotationally symmetrical flame stabilising body (7) located centrally of the swirling coal/air streams. The flame stabilising body can include a ring of nozzles (24) on a domed downstream end (8) for egress of start-up fuel therefrom.

IPC 1-7  
**F23D 1/02**

IPC 8 full level  
**F23D 1/02** (2006.01)

CPC (source: EP)  
**F23D 1/02** (2013.01)

Citation (search report)

- [X] US 4492171 A 19850108 - BRASHEARS DAVID F [US], et al
- [X] US 1865983 A 19320705 - WARNER SAMUEL T
- [A] DE 3106824 A1 19811203 - KAWASAKI HEAVY IND LTD [JP]
- [AD] GB 268417 A 19270407 - HENRY ADAM PROCTOR
- [AD] GB 253684 A 19260624 - ERNEST HENRY PEABODY
- [A] AT 105836 B 19270310 - PROCTER HENRY ADAM

Cited by  
DE19738054C2; CN113531520A; US6951454B2; WO9638691A1

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**EP 86309722 A 19861212**; GB 8530734 A 19851213; ZA 869307 A 19861209