

Title (en)
FUEL BURNER AND FUEL DISTRIBUTION DEVICE THEREFOR

Publication
EP 0017407 A3 19801126 (EN)

Application
EP 80300899 A 19800321

Priority
AU PD816579 A 19790323

Abstract (en)
[origin: EP0017407A2] A fuel burner capable of burning oil, gas or pulverised coal fuel is provided. The burner is particularly suitable for large scale installations such as for steam boilers for power generation plants. The burner provides a single main airstream which may be supplemented by a secondary gas flow. The secondary flow may be of burnt gases so that flame temperature may be controlled to prevent production of pollutant nitrogen oxides. -A novel burner fuel distribution nozzle is also provided.

IPC 1-7
F23C 7/00; **F23D 17/00**; **F23C 9/08**

IPC 8 full level
F23C 7/00 (2006.01); **F23C 9/08** (2006.01); **F23D 17/00** (2006.01); **F23N 1/02** (2006.01)

CPC (source: EP)
F23C 7/006 (2013.01); **F23C 9/08** (2013.01); **F23D 17/005** (2013.01); **F23D 17/007** (2013.01)

Citation (search report)

- US 4008039 A 19770215 - COMPTON WILLIAM A, et al
- FR 1147243 A 19571120 - GEN THERMIQUE
- GB 489479 A 19380727 - FREDERIC LESLIE BOLT, et al
- DE 2059020 A1 19710624 - BURMEISTER & WAINS MASKIN & SK
- DE 2210319 A1 19730712 - RODENHUIS & VERLOOP BV
- DE 1526194 A1 19700108 - STEINMUELLER GMBH L & C
- US 1892053 A 19321227 - HEATON HERMAN C
- [A] US 2334314 A 19431116 - CAMPBELL OLIVER F
- [A] US 3145670 A 19640825 - COPIAN LOUIS P, et al
- [A] FR 1117993 A 19560530
- [A] US 2351421 A 19440613 - GIBSON CARL W

Cited by
EP0369950A3; CN116293687A; GB2204674A; GB2204674B; US8794545B2

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