

Title (en)  
METHOD OPERATING A COAL BURNER

Publication  
**EP 0155120 A3 19870225 (EN)**

Application  
**EP 85301347 A 19850227**

Priority  
EP 84301707 A 19840313

Abstract (en)  
[origin: EP0155120A2] A method of operating a coal burner in which particulate coal is fed to the burner main nozzle (21) in which pulverized coal is fed to the main burner (21) and a mixture of ultrafine pulverized coal and a gaseous medium are additionally fed to the burner at a sufficient temperature significantly to increase the reactivity of the ultrafine pulverized coal at least during the light up of the burner. The coal may be pulverized in a pulverizer vessel (12) by interparticle collision in at least one stream of gaseous medium to produce the ultrafine pulverized coal and a flow of the mixture of the ultrafine pulverized coal and the gaseous medium is fed directly from the pulverizer vessel to the burner.

IPC 1-7  
**F23D 1/02**; **F23K 1/00**; **F23K 3/02**

IPC 8 full level  
**F23D 1/00** (2006.01); **F23D 1/02** (2006.01); **F23K 1/00** (2006.01); **F23K 3/02** (2006.01)

CPC (source: EP KR)  
**F23C 1/10** (2013.01 - KR); **F23D 1/02** (2013.01 - EP); **F23K 1/00** (2013.01 - EP); **F23K 3/02** (2013.01 - EP)

Citation (search report)  
• [Y] EP 0017367 A1 19801015 - MICROFUELS INC [US]  
• [AD] US 4241673 A 19801230 - SMIRLOCK MARTIN E [US], et al  
• [AD] US 4147116 A 19790403 - GRAYBILL ROBERT W  
• [AD] GB 2093979 A 19820908 - STEAG AG  
• [A] US 2494070 A 19500110 - THOMAS WILLIAM A  
• [AP] EP 0102421 A1 19840314 - HOWDEN JAMES & CO LTD [GB]  
• [A] US 4419941 A 19831213 - SANTALLA RICHARD W [US]  
• [Y] BRENNSTOFF. W[RME. KRAFT, vol. 34, no. 3, March 1982, pages 131-135, W}rzburg, DE; K.D. RENNERT: "Kohlenstaubgefeuerter Z}ndbrenner"

Cited by  
CN110186036A; US4809624A; GB2187835A; GB2187835B; EP0236339A4; WO9003837A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0155120 A2 19850918**; **EP 0155120 A3 19870225**; AU 3974985 A 19850919; DK 111985 A 19850914; DK 111985 D0 19850312; FI 850977 A0 19850312; FI 850977 L 19850914; JP S60259817 A 19851221; KR 850007861 A 19851209; ZA 851838 B 19851127

DOCDB simple family (application)  
**EP 85301347 A 19850227**; AU 3974985 A 19850312; DK 111985 A 19850312; FI 850977 A 19850312; JP 4762085 A 19850312; KR 850001556 A 19850312; ZA 851838 A 19850312