

Title (en)

Air supply method and device for burning particulate fuel

Title (de)

Verfahren und Vorrichtung zur Zuführung des Windes zur Verbrennung von stückigem Brennstoff

Title (fr)

Procédé et dispositif d'alimentation en air pour brûler du combustible particulaire

Publication

EP 0952398 A3 20000308 (DE)

Application

EP 99107650 A 19990416

Priority

DE 19817121 A 19980417

Abstract (en)

[origin: EP0952398A2] The grid is formed of radial, hollow support arms (5) evenly spaced out over the grid and possessing blowing-holes pointed towards the fuel-supporting surface of the grid. An air source is pneumatically connected with the support arms, by means of a movable coupling arrangement (7,8). A post-combustion chamber (15) removes the flame gases, which are mixed with combustion air. The solid fuel rests on a grid that has one surface area covered and one not covered by the fuel. Draught is introduced from underneath to the fuel in the combustion area. The flame gases emerging from the combustion zone are mixed with a top draught.

IPC 1-7

F23L 1/02; **F23L 9/02**; **F23G 5/14**; **F23G 5/22**; **F23G 7/10**; **F23B 1/24**

IPC 8 full level

C22B 5/12 (2006.01); **F23G 5/14** (2006.01); **F23G 5/22** (2006.01); **F23G 7/10** (2006.01); **F23L 1/02** (2006.01); **F23L 9/02** (2006.01)

CPC (source: EP)

F23B 1/24 (2013.01); **F23B 5/04** (2013.01); **F23G 5/22** (2013.01); **F23L 1/02** (2013.01); **F23L 9/02** (2013.01); **F23G 2202/103** (2013.01); **F23G 2203/203** (2013.01); **F23G 2209/261** (2013.01)

Citation (search report)

- [Y] EP 0754907 A2 19970122 - BURMEISTER & WAINS ENERGI [DK]
- [Y] GB 1141562 A 19690129 - GEN THERMIQUE
- [A] EP 0741267 A1 19961106 - BABCOCK ANLAGEN GMBH [DE]
- [A] US 3599581 A 19710817 - SCHOPPE FRITZ
- [A] DE 9413804 U1 19941110 - LIST GUENTHER ING [AT]
- [A] FR 1327662 A 19630517
- [XY] F SCHOPPE: "DIE ENTWICKLUNG DES BRENNKEGELS ZUR ABFALLVERASCHUNG", BRENNSTOFF-WÄRME-KRAFT, vol. 19, no. 10, October 1967 (1967-10-01), pages 469 - 512, XP002125225

Cited by

EP1318351A3; EP1318351A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0952398 A2 19991027; **EP 0952398 A3 20000308**; **EP 0952398 B1 20030820**; AT E247800 T1 20030915; DE 19817121 A1 19991021; DE 59906632 D1 20030925; DK 0952398 T3 20031215

DOCDB simple family (application)

EP 99107650 A 19990416; AT 99107650 T 19990416; DE 19817121 A 19980417; DE 59906632 T 19990416; DK 99107650 T 19990416