

Title (en)
IMPROVED BURNER FOR A SOLID FUEL-FIRED STEEL CONSTRUCTION BOILER

Publication
EP 0154956 A3 19860402 (EN)

Application
EP 85102714 A 19850309

Priority
• IT 1810784 A 19840316
• US 61956984 A 19840611

Abstract (en)
[origin: EP0154956A2] The involved technical field is that of heating apparata, and the invention relates to an improved burner for a solid fuel-fired steel construction boiler which develops no dangerous deformations in use and can provide optimum mixing of the products released from the combustion on primary air with secondary air. The solution resides in a burner (1) comprising a refractory stone block (8) having a housing (9) with an apertured (10) bottom adapted to contain at least one refractory material body (11, 12) provided with a means (13-16) of holding the overlying embers, the housing (9) bottom and the surface of said body (11, 12, 30, 31) resting thereon being configured to define a secondary air conveying ducting (28).

IPC 1-7
F23L 9/00; **F23L 1/00**; **F23B 1/16**; **F23H 1/02**

IPC 8 full level
F23L 1/00 (2006.01); **F23L 9/00** (2006.01); **F24H 1/26** (2006.01); **F24H 9/00** (2006.01)

CPC (source: EP)
F23B 5/04 (2013.01); **F23B 7/005** (2013.01); **F24H 1/26** (2013.01); **F24H 9/0026** (2013.01)

Citation (search report)
• [A] FR 1016208 A 19521105 - MORVAN ETS
• [A] CA 1160116 A 19840110 - INGERSOLL CHARLES S, et al
• [A] DE 102377 C
• [A] FR 674928 A 19300204
• [A] FR 2516209 A1 19830513 - HAYS CLAUDE [FR]
• [A] US 4078541 A 19780314 - ROYCRAFT LOUIS H
• [A] DE 134819 C
• [A] DE 117805 C

Cited by
EP0254321A3; EP1158241A3; EP0409790A1; DE3617146C1; EP1970623A3; FR2687214A1; FR3114867A1; EP4209708A1

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

DOCDB simple family (publication)
EP 0154956 A2 19850918; **EP 0154956 A3 19860402**; **EP 0154956 B1 19880615**; DE 3563380 D1 19880721

DOCDB simple family (application)
EP 85102714 A 19850309; DE 3563380 T 19850309