

Title (en)
GRATE FOR FLUIDIZED BED BOILER

Title (de)
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Title (fr)
GRILLE POUR CHAUDIERE A LIT FLUIDISE

Publication
EP 1226388 B1 20050223 (EN)

Application
EP 00929589 A 20000526

Priority
• FI 0000478 W 20000526
• FI 992348 A 19991029

Abstract (en)
[origin: WO0133139A1] The invention relates to a grate construction for use in the bottom section of the combustion chamber of a fluidized-bed boiler, the construction comprising a grate (1) equipped with a plurality of parallel cooling pipes (3; 18), an air-plenum chamber (2) adapted below the grate (1), means (14) adapted to the grate (1) for injecting fluidizing gas from the air-plenum chamber (2) to a fluidizing zone in the bottom section of the combustion chamber, and means adapted to the grate (1) for removal of solids from above the grate (1). In the construction according to the invention, the means for removal of solids comprise at least one solids removal trough (7), which is adapted to the grate (1) so as to flare wide open at the grate level with a therefrom downward tapering and at its bottom end open structure that is comprised of at least two opposed slanted surfaces (8, 9) between which the solids to be discharged is arranged to flow downward.

IPC 1-7
F23C 10/20; **F23C 10/24**

IPC 8 full level
F23H 3/02 (2006.01); **F23H 15/00** (2006.01)

CPC (source: EP)
F23H 3/02 (2013.01); **F23H 15/00** (2013.01)

Cited by
CN102384470A

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)
WO 0133139 A1 20010510; AT E289670 T1 20050315; AU 4761200 A 20010514; DE 60018302 D1 20050331; DE 60018302 T2 20060112; DK 1226388 T3 20050530; EP 1226388 A1 20020731; EP 1226388 B1 20050223

DOCDB simple family (application)
FI 0000478 W 20000526; AT 00929589 T 20000526; AU 4761200 A 20000526; DE 60018302 T 20000526; DK 00929589 T 20000526; EP 00929589 A 20000526