

Title (en)
GRATE FOR FLUIDIZED BED BOILER

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

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Application
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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.

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