

Title (en)
Air cooled grate plate for a rocking grate

Title (de)
Luftgekühlter Roststab für eine Schubrostfeuerung

Title (fr)
Barreau refroidi à air pour grille à gradins

Publication
EP 1321711 B1 20080730 (DE)

Application
EP 02028385 A 20021218

Priority
DE 10163670 A 20011221

Abstract (en)
[origin: EP1321711A1] Grate bar (1) for a moving grate firing comprises a U-shaped profile having a rear side (5) and side flanks and provided on its lower side with a cooling system through which air flows. An outlet for the air is provided on the under side of the grate bar. The cooling system consists of a cooling gap (9) running in the longitudinal direction of the grate bar and extending over the entire width of the grate bar between the side flanks. The height of the cooling gap is much smaller than the height of the grate bar. The cooling gap ends in the outlet gap (10) arranged on the under side of the grate bar and corresponding to the width of the cooling gap. <??>Preferred Features: The cooling gap is defined by the under side of the rear side of the grate bar and a cover plate (11) fixed on the grate bar.

IPC 8 full level
F23H 3/02 (2006.01); **F23H 9/04** (2006.01)

CPC (source: EP KR)
F23H 3/02 (2013.01 - EP KR)

Cited by
EP2381174A1; EP2949995A3; EP2184540A1; EP1612483A3; EP1801499A1; CH703063A1; EP3967926A1; WO2010051953A1; US8661994B2; US11808450B2; WO2022053551A1

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