

Title (en)

GRATE BAR WITH LIQUID COOLING FOR INCINERATORS

Title (de)

ROSTSTAB MIT FLÜSSIGKÜHLUNG FÜR VERBRENNUNGSANLAGEN

Title (fr)

BARREAU DE GRILLE A REFROIDISSEMENT PAR DU LIQUIDE POUR DES INCINERATEURS

Publication

**EP 1315936 B1 20060510 (DE)**

Application

**EP 00954246 A 20000904**

Priority

CH 0000467 W 20000904

Abstract (en)

[origin: WO221049A1] The invention relates to a grate bar (1) for producing a grate for incinerators. Said grate bar has a continuous channel (6) for guiding the liquid coolant through. Said channel has tubular segments (7) which run parallel to the side edge (1') or the upper surface (5) of the grate (1). The ends of two adjacent tubular segments (7) respectively are interconnected by tubular pieces (8), especially in a U-shape, at their front ends in the area of the nose (3) of the grate (1). This positioning of the coolant channel (6) provides a high degree of protection against damage, even in the presence of considerable thermal stresses, especially on the nose area (3) of the grate bar (1). This results in especially advantageous emergency running properties of the grate bar (1), even in the event of a breakdown in the liquid cooling system. The inventive configuration of the coolant channel (6) also advantageously permits cooling at high pressures, which results in a higher degree of cooling efficiency and therefore a better degree of efficiency for the incinerator overall.

IPC 8 full level

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CPC (source: EP)

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Cited by

DE102015101356A1; WO2013029680A1; WO2012032490A1; WO2012032492A1; WO2012032278A1; EP3967927A1; WO2022053550A1

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