

Title (en)

LIQUID-COOLED GRILL COMPRISING WEAR PLATES

Title (de)

FLÜSSIGKEITSGEKÜHLTER ROST MIT VERSCHLEISSPLATTEN

Title (fr)

GRILLE REFROIDIE PAR LIQUIDE COMPRENANT DES PLAQUES D'USURE

Publication

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Application

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Abstract (en)

[origin: WO2007107024A1] The invention relates to a grill consisting of liquid-cooled grill plates and liquid-cooled lateral panels, the surfaces of which are provided with wear plates (1) connected to the liquid-cooled grill plates (2) and lateral planks in a heat-conducting manner. Said wear plates (1) consist of a wear-resistant material which must however be cooled. Advantageously, a layer of a heat-conducting material in the form of a highly heat-conducting soft silicon film (3) is clamped between the liquid-cooled grill plates (2) and lateral panels and the wear plates (1), said layer providing a good heat transfer between the wear plates (1) and the permeable grill plates (2) and central panels. It is thus ensured that, during operation, the wear plates (1) always remain in a non-critical temperature range as they are cooled by the underlying grill plates (2) and lateral panels which are cooled to ca. 50°C g.

IPC 8 full level

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