Title (en)

GRATE BLOCK FOR A COMBUSTION GRATE

Title (de)

ROSTBLOCK FÜR EINEN VERBRENNUNGSROST

Title (fr)

BLOC DE GRILLAGE POUR UNE GRILLE DE COMBUSTION

Publication

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Application

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Abstract (en)

[origin: WO2016198119A1] The invention relates to a grate block (10) for a combustion grate, in which consecutive grate blocks are arranged one over the other in the manner of a staircase and are designed to rearrange and convey the combustible material during combustion by means of pushing motions performed in relation to each other. The grate block (10) comprises a block body (12), which is formed as a casting and comprises an upper wall (14), which forms a supporting surface (16), which extends at least partially parallel to a longitudinal axis L of the block body and along which the combustible material should be conveyed and the end of which that is foremost in the pushing direction S forms a margin (19), by means of which the supporting surface (16) drops into a pushing surface (22) formed by a front wall (20). The front wall (20) has at least one air supply opening (38) for supplying air to the combustion grate, which air supply opening extends at a right angle or at a slant to the pushing surface (22) when viewed in a longitudinal section. In the lowest region (32) of the front wall, the front wall has the form of a foot (34), which is intended to lie on the supporting surface of a grate block that is adjacent in the pushing direction (S). At least the front resting edge (23) of the pushing surface (22) is arranged in a plane E extending substantially at a right angle to the longitudinal axis L. The grate block is characterized in that the margin (19) is frontally offset from the plane E in the longitudinal direction and in the pushing direction S.

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