

Title (en)

FURNACE CHAMBER GRATE FOR BURNERS FUELED WITH PELLETS AND OTHER SOLID FUELS

Title (de)

OFENKAMMERROST FÜR MIT PELLETS UND ANDEREN FESTEN BRENNSTOFFEN BEFEUERTEN BRENNER

Title (fr)

GRILLE DE CHAMBRE DE FOUR POUR BRÛLEURS ALIMENTÉS AVEC DES GRANULÉS ET D'AUTRES COMBUSTIBLES SOLIDES

Publication

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Application

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Priority

PL 42081517 A 20170314

Abstract (en)

[origin: EP3376105A1] The object of the present invention is a segmented burner furnace chamber grate whose entire surface is formed by a series of movable grate bars connected using any known method, with inlet ventilation holes, loosely fitted by means of a mounting assembly, positioned one next to another to form sections (sectors), at least two of which are mechanically driven and repeatedly move in a reciprocating fashion. According to the invention, the grate bars forming the grate (1) are in the form of plates (2a, 2b, 2c ... 2n), each in the shape of a prism or a truncated pyramid with a rectangular base, while one edge of each plate is fitted with a coupling protrusion (tongue) (5), and its parallel edge is fitted with a groove (6) whose shape matches that of the coupling protrusion (tongue) (5) of a neighboring plate (2), thus enabling joining the plates (2a, 2b, 2c ... 2n) in a jigsaw-puzzle fashion, to form rows (R1, R2, R3, R4, Rn), and while the other two parallel edges of each plate are smooth and loosely fitted to form longitudinal expansion gaps (7) between plate surfaces.

IPC 8 full level

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