

Title (en)

SPACER WITH STRIPS OF A TUBE SPACING GRID

Publication

EP 0260403 B1 19910515 (DE)

Application

EP 87110263 A 19870716

Priority

DE 3631886 A 19860919

Abstract (en)

[origin: US4784220A] The invention concerns a pipe spacing grate for guidance of pipes in heat exchangers, for example, steam generators, whereby the grate is formed of intersecting grate rods, arranged in more than one plane and encircled by a frame. The frame has a groove running about the inside for accommodation of the ends of the grate rods. The grate rods (3) in the frame (2) are kept at a definite spacing from each other by distance bolts (1). The distance bolts (1) have a cross slot (5) to receive the grate rod (3), and also a projecting piece (6) in the cross slot (5), which engages a corresponding recess (7) of the grate rod (3). The distance bolts (1) are secured against falling out by a surrounding cover ring (4). A pastelike plastic can be introduced into a lengthwise boring (8) of the distance bolt (1), fixing the grate upon hardening.

IPC 1-7

F22B 37/20; F28F 9/00

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

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