

Title (en)

Heat exchanger with movable tube assemblies

Title (de)

Wärmetauscher mit beweglichen Röhrenanordnungen

Title (fr)

Echangeur de chaleur avec des assemblages mobiles de tubes

Publication

EP 0536962 B1 19970618 (EN)

Application

EP 92309038 A 19921002

Priority

- US 77400791 A 19911008
- US 77400991 A 19911008

Abstract (en)

[origin: EP0536962A1] A heat exchanger has a duct (11) through which heated gases pass. A plurality of tube panels (14) are within the duct and each panel includes a header (18) from which a plurality of tubes extend. A pair of hangers (30) support each tube panel to form space in the duct above and below the tube panel for maintenance access. Baffles (41,42) restrict the flow of gases through these spaces. Each hanger has a bracket (28) attached to the header of the tube panel with a rod (32) pivotally coupled to the bracket and extending through an aperture in the roof of the duct. The hangers are connected to structural members on the exterior of the duct in a manner that maintains the tube panel in a fixed position during operation of the heat exchanger, while allowing movement of a panel within said duct for maintenance. A jack (50) is also provided to raise and lower a panel (14). <IMAGE>

IPC 1-7

F22B 37/20; **F28F 9/00**

IPC 8 full level

F22B 37/20 (2006.01); **F28F 9/013** (2006.01)

CPC (source: EP)

F22B 37/202 (2013.01); **F28F 9/013** (2013.01)

Citation (examination)

US 1883301 A 19321018 - KERR HOWARD J

Cited by

CN111520921A; CN105928375A; EP4130572A1; IT202100021287A1

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