

Title (en)

HEAT EXCHANGERS WITH BUNDLES OF STRAIGHT OR UNDULATING TUBES, ESPECIALLY ON SYSTEMS OF SUPPORTING TUBES, AND METHOD OF REALISING SUCH SYSTEMS

Publication

EP 0056744 A3 19820804 (FR)

Application

EP 82400008 A 19820105

Priority

- FR 8100212 A 19810108
- FR 8102993 A 19810216

Abstract (en)

[origin: US4573528A] An improved heat exchanger, applicable especially, but not exclusively, to a steam generator, preferably with straight or corrugated tubes (5) arranged in vertical concentric rows. The tubes (5) are maintained at certain axial levels thereof by concentric supporting systems, each of which consists of a zigzag circular strip (21) having alternate trapezoidal cells, and welded to a surrounding supporting strip (20). In the systems disposed at uncorrugated or "fixed" axial levels, the zigzag strip cells are shut off, after installation of the tubes (5), by a closing strip (22) to which is welded the supporting strip (20n) of the supporting system which is adjacent along the radial direction of the cylindrical casing (11), characterized in that at least some of the supporting systems (20, 21 . . . 20n, 21n) are independent of the supporting systems in the radial direction and form groups of supporting systems, and in that radial arms (14, 14', 14n) are provided for retaining said independent supporting systems.

IPC 1-7

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IPC 8 full level

F28D 7/08 (2006.01); **F28F 9/013** (2006.01); **F28F 9/22** (2006.01)

CPC (source: EP US)

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Citation (search report)

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