

Title (en)

Heat exchanger with tubes locked to the tube end plate.

Title (de)

Wärmetauscher mit am Kollektor verriegelten Röhren.

Title (fr)

Echangeur de chaleur à tubes verrouillés au collecteur.

Publication

EP 0099806 A2 19840201 (FR)

Application

EP 83401402 A 19830707

Priority

ES 51408882 A 19820716

Abstract (en)

1. Heat exchanger with tubes locked to the tube end plate comprising fins (2) engaged on the tubes (1) which are themselves engaged into resilient material collars (5) placed into the tube passages of a tube end plate (3), characterized by stop members (7) having at least one hole (8) of a diameter smaller than outer diameter of the tubes, said stop members being forcibly engaged on the end protruding in the tube end plate of at least some of the tubes to which it is connected.

Abstract (fr)

L'échangeur comporte des tubes 1 munis d'ailettes 2. Les extrémités des tubes sont engagées dans des collets 5 en matière élastique qui sont disposés dans des passages de tubes 4 de plaques collectrices 3 recouvertes de boîtes à eau 12. Des éléments d'arrêt 7 sont engagés et partiellement déformés par l'extrémité des tubes 1 saillant au-delà des collets.

IPC 1-7

F28F 9/14; F28F 9/02

IPC 8 full level

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CPC (source: EP)

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Cited by

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