

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Echangeur de chaleur

Publication
EP 0823610 A1 19980211 (EN)

Application
EP 96202233 A 19960808

Priority
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Abstract (en)
Heat exchanger, comprising a group of tubes secured to a pack of fins by means of mechanical expansion of the tubes following their insertion in holes aligned in the fins, the tubes having an oblong cross-section without any flat walls, wherein a first ratio between the maximum dimension (b) and the minimum dimension (a) of the cross-section, is of between 2.80 and 5.20 and a second ratio between the maximum dimension (b) of the cross-section and the thickness (s) of the tube is between 15 and 38; and wherein the wall thickness of the tube fulfils the equation $\frac{b}{s} \geq 15$ wherein S3 and S4 are the wall thickness in the area of the tube with the smallest radius, and S1 and S2 are the wall thickness in the area of the tube with the largest radius. <IMAGE>

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F28F 1/32; **F28F 1/02**

IPC 8 full level
F28F 1/02 (2006.01); **F28F 1/32** (2006.01)

CPC (source: EP)
F28F 1/02 (2013.01); **F28F 1/32** (2013.01); **F28F 2275/125** (2013.01)

Citation (search report)
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