

Title (en)

Finned heat exchanger tube and method of production

Title (de)

Geripptes Wärmetauscherrohr und dessen Herstellung

Title (fr)

Tube d'échange thermique pourvu de nervures et son procédé de fabrication, échangeur de chaleur pourvu d'un tel tube

Publication

EP 1061318 B1 20030910 (FR)

Application

EP 00420129 A 20000615

Priority

FR 9907865 A 19990616

Abstract (en)

[origin: EP1061318A1] The tube (1) e.g. of a metal such as copper, having an external diameter of some 5 - 20 mm, has a series of lengthwise inner ribs (2) measuring 0.15 - 1.5 mm high and about 1 mm apart. The ribs have an initial asymmetrical triangular cross-section with straight sides, with the tip of each rib offset to one side of its base. The ribs are subsequently curved by passing an olive (3) through the tube, so that the gaps between the tips of adjacent ribs are smaller than the gaps between the ribs' bases. The shaping of the ribs can be carried out at the same time as fins are crimped to the outside of the tube.

IPC 1-7

F28F 1/40

IPC 8 full level

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CPC (source: EP)

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Cited by

EP1598626A1; DE102009007446B4; EP2216615A3; EP2216615A2; DE102009007446A1; US8899308B2

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