

Title (en)

Device for forming helical fins on the external wall of tubes

Title (de)

Vorrichtung zur Formung von schraubenförmigen Rippen an der Aussenfläche eines Rohres

Title (fr)

Dispositif permettant le formage d'ailettes hélicoïdales sur la paroi extérieure de tubes

Publication

**EP 0569307 B1 19961227 (FR)**

Application

**EP 93420180 A 19930504**

Priority

FR 9205762 A 19920506

Abstract (en)

[origin: EP0569307A1] The device according to the invention relates to the production, by rolling, of helical fins on tubes for a heat exchanger so as to increase their capability of heat transfer. It comprises four rollers (6, 7, 8, 9) distributed over two carriages (4, 5) which can move translationally towards each other by means of a ram enabling the four rollers to be simultaneously brought to bear against the wall of a tube (2). The four rollers, distributed around the tube, are rotationally driven at the same speed by a single motor means (50) and can be oriented about an axis (X2, X3, X4, X5) perpendicular to their forming zones. The tube (2) is driven by the rollers along a running axis (X1-X1). Application to the finning of tubes (2) made of stainless (non-oxidisable) metals or alloys. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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