

Title (en)

A tool for making U-shaped bends in heat-exchanger tubes having radial fins projecting from the internal walls of the tubes.

Title (de)

Werkzeug zum Herstellen von U-förmigen Biegungen in Wärmetauscherrohren mit Radialkühlrippen in deren Innenwände.

Title (fr)

Un outil pour fabriquer des pliages en forme de U dans des tubes d'échangeurs de chaleur qui ont des ailes radiales dans leurs surface interne.

Publication

EP 0668114 A1 19950823 (EN)

Application

EP 95101548 A 19950206

Priority

IT TO940031 U 19940222

Abstract (en)

The tool for making U-shaped bends in heat-exchanger tubes having radial fins projecting from the internal walls of the tubes (2) comprises a core (12) which is inserted temporarily into an arm of the tube to be bent and which has a cylindrical surface in contact with the internal wall of the tube between each pair of adjacent fins and a plurality of grooves (16) for housing respective fins. <IMAGE>

IPC 1-7

B21D 9/01

IPC 8 full level

B21D 9/01 (2006.01)

CPC (source: EP)

B21D 9/01 (2013.01)

Citation (search report)

- [X] GB 557998 A 19431215 - MORRIS MOTORS LTD, et al
- [X] FR 2321345 A1 19770318 - SERINOX [FR]
- [X] US 3561247 A 19710209 - PFAFMAN LOUIS A, et al
- [A] GB 2148758 A 19850605 - NORCROS INVESTMENTS LTD
- [A] US 3580044 A 19710525 - VOSS EDWIN A DE, et al
- [A] LU 68193 A1 19731016

Cited by

US6419885B1; US2011289775A1; US9415436B2; EP2667073A1; US6719953B2; US6644358B2; US8033767B2; US8070401B2

Designated contracting state (EPC)

DE ES FR GB SE

DOCDB simple family (publication)

EP 0668114 A1 19950823; IT 232332 Y1 19991217; IT TO940031 U1 19950822; IT TO940031 V0 19940222

DOCDB simple family (application)

EP 95101548 A 19950206; IT TO940031 U 19940222