

Title (en)

Heat exchanger device and manufacturing method thereof

Title (de)

Wärmetauscher und Verfahren zu dessen Herstellung

Title (fr)

Echangeur de chaleur et sa méthode de fabrication

Publication

EP 1361405 A2 20031112 (EN)

Application

EP 03010271 A 20030507

Priority

IT BO20020266 A 20020507

Abstract (en)

An heat exchanger device, constituted by at least a duct (10) for the passage of a fluid and a finned pack (11) fixed to said duct (10) for the heat exchange, includes a plurality of finned element (2), each of which has a set of tubular protrusions (4), each of which has at least a seat (5) and a connection (6). In an assembled condition (A) of said device (1), the connection (6) of each tubular protrusion (4) of a finned element (2) is inserted in a corresponding seat (5) of an adjacent finned element (2), to form at least the duct (10) and the finned pack (11).

IPC 1-7

F28F 1/32; **F28F 1/12**; **F28D 7/08**

IPC 8 full level

F28D 7/08 (2006.01); **F28F 1/12** (2006.01); **F28F 1/32** (2006.01)

CPC (source: EP)

F28D 7/08 (2013.01); **F28D 7/087** (2013.01); **F28F 1/02** (2013.01); **F28F 1/126** (2013.01); **F28F 1/32** (2013.01)

Citation (examination)

GB 1558264 A 19791219 - CHAUSSON USINES SA

Cited by

EP1739365A1; JPWO2014002147A1; US9816761B2; WO2014002147A1; WO2008037309A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

EP 1361405 A2 20031112; **EP 1361405 A3 20070502**; IT BO20020266 A0 20020507; IT BO20020266 A1 20031107

DOCDB simple family (application)

EP 03010271 A 20030507; IT BO20020266 A 20020507