

Title (en)

Flat tube for heat exchanger, in particular for vehicles and method for producing the same

Title (de)

Flachrohr für einen Wärmeübertrager, insbesondere für Kraftfahrzeuge und Verfahren zur Herstellung des Flachrohres

Title (fr)

Tube plat pour échangeur de chaleur, en particulier pour véhicules et méthode de production

Publication

EP 1630513 A3 20080416 (DE)

Application

EP 05014942 A 20050711

Priority

DE 102004041101 A 20040824

Abstract (en)

[origin: EP1630513A2] The flat tube (1) is produced from one piece of strip. It has a turbulence creators (5a, 5b, 5c, 5d) stamped into it, facing inwards. The flat tube is in the form of a multi-chamber to one it has at least two chambers (3, 4), which are separated by a partition wall (2) formed from the single piece of strip from which the tube is made.

IPC 8 full level

F28F 1/02 (2006.01); **B21C 37/15** (2006.01); **F28F 1/40** (2006.01); **F28F 13/12** (2006.01)

CPC (source: EP)

B21C 37/151 (2013.01); **B21C 37/158** (2013.01); **F28D 1/0391** (2013.01); **F28F 1/022** (2013.01); **F28F 1/40** (2013.01); **F28F 13/12** (2013.01); **F28F 2001/027** (2013.01)

Citation (search report)

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- [X] EP 1060808 A2 20001220 - VALEO ENGINE COOLING AB [SE]
- [Y] EP 1074807 A2 20010207 - FORD MOTOR CO [US]
- [Y] EP 0637474 A1 19950208 - WALLIS BERNARD J [US]
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Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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