

Title (en)

Header box having an integrated expansion chamber for a heat-exchanger, especially for a motor vehicle.

Title (de)

Wasserkasten mit integriertem Ausdehnungsgefäß für einen Wärmetauscher, insbesondere für Kraftfahrzeuge.

Title (fr)

Boîte à eau à vase d'expansion intégré pour échangeur de chaleur, en particulier pour véhicule automobile.

Publication

EP 0570274 A1 19931118 (FR)

Application

EP 93401201 A 19930511

Priority

FR 9205808 A 19920513

Abstract (en)

The invention relates to a header box having an integrated expansion chamber for a heat-exchanger. <??>The header box includes an elongate open face (32) capable of being mounted over a manifold (18) placed in a substantially horizontal position, so as to allow a liquid to flow in the header box, between a first end (28) and a second end (30), whilst covering the manifold, a multiplicity of transverse partitions (541 to 546) formed in a single piece with the header box, arranged spaced apart between the first end (28) and the second end (30) and each extending as far as an end edge (561 to 566) situated near the open face, the said partitions being provided with respective openings (601 to 606), having passage cross-sections which decrease from the first end (28) to the second end (30). <??>Application especially to cooling radiators of the internal combustion engines of motor vehicles. <IMAGE>

IPC 1-7

F28F 9/02

IPC 8 full level

F28F 9/02 (2006.01); **F28F 21/06** (2006.01)

CPC (source: EP US)

F28F 9/0231 (2013.01 - EP US); **F28F 21/067** (2013.01 - EP US)

Citation (search report)

- [AD] FR 2443657 A1 19800704 - LAENGERER & REICH KUEHLER [DE]
- [A] FR 2486814 A1 19820122 - VALEO [FR]

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DE20121112U1

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

EP 0570274 A1 19931118; FR 2691242 A1 19931119; FR 2691242 B1 19940708; US 5284203 A 19940208

DOCDB simple family (application)

EP 93401201 A 19930511; FR 9205808 A 19920513; US 6074793 A 19930512