

Title (en)

Radiator, particularly for passenger car thermo-ventilation and air-conditioning systems.

Title (de)

Heizkörper, insbesondere für Heiz- und Klimaanlage in Kraftfahrzeugen.

Title (fr)

Radiateur, en particulier pour climatiseurs de véhicule et systèmes de conditionnement d'air.

Publication

EP 0022234 A2 19810114 (EN)

Application

EP 80103693 A 19800630

Priority

IT 6839979 A 19790704

Abstract (en)

A radiator for automobile air-conditioning systems comprises a radiating pack formed from metal tubes and fins, the ends of the tubes communicating with manifolds (13) each comprising a base (B) and a cover (C) connected together by a peripheral weld (S). The ends of the radiating pack tubes (11) are passed through holes in the base (B) and the portion of the tube ends (11a) protruding beyond the base plane is embedded in an interconnecting and sealing polyurethane layer (P).

IPC 1-7

F28F 9/02; **F28F 9/16**

IPC 8 full level

F28F 9/02 (2006.01); **F28F 9/16** (2006.01)

CPC (source: EP)

F28F 9/0209 (2013.01); **F28F 9/162** (2013.01); **F28F 9/167** (2013.01); **F28F 2230/00** (2013.01)

Cited by

EP0657711A1; EP0640804A1; US6180038B1; US2018328673A1; US11747094B2; FR2573190A1; DE3426445A1; US4903389A; FR2585120A1; EP0396132A1; US5103559A; US4625793A; US4740344A; US4485867A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0022234 A2 19810114; **EP 0022234 A3 19810211**; IT 1119324 B 19860310; IT 7968399 A0 19790704

DOCDB simple family (application)

EP 80103693 A 19800630; IT 6839979 A 19790704