

Title (en)

Radiator of an automotive vehicle and method of manufacturing.

Title (de)

Kühler eines Kraftfahrzeuges und Verfahren zu seiner Herstellung.

Title (fr)

Radiateur d'automobile et procédé de fabrication.

Publication

**EP 0622602 A2 19941102 (FR)**

Application

**EP 94400894 A 19940426**

Priority

FR 9305010 A 19930428

Abstract (en)

Exchange surface element for a motor-vehicle radiator, comprising a set of plates (9) made of a polymeric material inside which the heat-transfer fluid (water) circulates, the lateral faces (16) of the plates, between which the refrigerant (air) circulates, being provided with projections (19) in relief. These projections are oriented in the flow direction (L) of the heat-transfer fluid and are placed perpendicular to the flow direction (G) of the refrigerant. <IMAGE>

Abstract (fr)

Élément de surface d'échange pour radiateur automobile comportant un ensemble de plaques (9) en matériau polymérique à l'intérieur desquelles circule le fluide caloporteur (eau), les faces latérales (16) des plaques, entre lesquelles circule le fluide réfrigérant (air), étant munies de saillies (19) en relief. Ces saillies sont orientées dans le sens (L) d'écoulement du fluide caloporteur et placées perpendiculairement au sens d'écoulement (G) du fluide réfrigérant. <IMAGE>

IPC 1-7

**F28F 21/06**; F28F 3/04; F28D 1/03

IPC 8 full level

**F28D 1/03** (2006.01); **F28F 3/04** (2006.01); **F28F 21/06** (2006.01)

CPC (source: EP)

**F28D 1/0316** (2013.01); **F28F 3/04** (2013.01); **F28F 21/065** (2013.01)

Cited by

CN104269970A; CN105339752A; US9958215B2; WO2014205583A1

Designated contracting state (EPC)

BE DE ES FR GB IT NL PT

DOCDB simple family (publication)

**FR 2704635 A1 19941104**; **FR 2704635 B1 19950602**; DE 69408708 D1 19980409; DE 69408708 T2 19980917; EP 0622602 A2 19941102; EP 0622602 A3 19950809; EP 0622602 B1 19980304

DOCDB simple family (application)

**FR 9305010 A 19930428**; DE 69408708 T 19940426; EP 94400894 A 19940426