

Title (en)

Heat exchanger, more in particular for automotive vehicle

Title (de)

Wärmetauscher, insbesondere für Kraftfahrzeuge

Title (fr)

Echangeur de chaleur, notamment pour véhicule automobile

Publication

**EP 0779488 B1 20030917 (FR)**

Application

**EP 96119459 A 19961204**

Priority

FR 9514782 A 19951213

Abstract (en)

[origin: EP0779488A1] The heat exchanger consists of a fluid chamber cover (1) with an edge (4) shaped to engage with the peripheral channel (16) of a collector plate (2) and a seal. The edges (12) of the plate are turned upwards and cut to form projections which act as retaining lugs for the cover. The edge (4) of the cover is made with alternating portions of different thicknesses, forming recesses to receive the turned-over tips of the retaining lugs. The cover can be made, for example, by moulding, and the thicker portions (19) round its edge are spaced at intervals equivalent to the width of the lugs.

IPC 1-7

**F28F 9/02**

IPC 8 full level

**F28F 9/02** (2006.01)

CPC (source: EP)

**F28F 9/0226** (2013.01)

Cited by

FR2789758A1; CN102748469A; FR3081544A1; EP2455697A1; FR2967764A1; US9696099B2; DE102011008220A1; WO0033009A1; WO2019229356A1; JP2012145237A

Designated contracting state (EPC)

DE ES GB IT SE

DOCDB simple family (publication)

**EP 0779488 A1 19970618; EP 0779488 B1 20030917**; AR 005012 A1 19990407; BR 9605753 A 19980825; CN 1157227 A 19970820; DE 69630003 D1 20031023; DE 69630003 T2 20040609; FR 2742529 A1 19970620; FR 2742529 B1 19980130; MX 9606343 A 19971031

DOCDB simple family (application)

**EP 96119459 A 19961204**; AR P960105574 A 19961210; BR 9605753 A 19961129; CN 96119768 A 19961210; DE 69630003 T 19961204; FR 9514782 A 19951213; MX 9606343 A 19961211