

Title (en)

MOTOR VEHICLE HEAT EXCHANGER AND METHOD FOR MAKING SAME

Title (de)

WÄRMETAUSCHER FÜR KRAFTFAHRZEUGE UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

ECHANGEUR DE CHALEUR POUR VEHICULE AUTOMOBILE, ET SON PROCEDE DE FABRICATION

Publication

**EP 1015838 A1 20000705 (FR)**

Application

**EP 99957195 A 19990622**

Priority

- FR 9901497 W 19990622
- FR 9807923 A 19980623

Abstract (en)

[origin: FR2780152A1] The heat exchanger comprises an array of parallel tubes (10) assembled at each end to a top or bottom manifold (12,14). Each manifold has a cover, or series of covers (24,26,28), of identical dimensions to direct flow through groups of the tubes. Additionally, intake and collector covers (16,20) direct flow into and out of the manifolds. The covers are normally made from pressed steel, located and brazed to lips (32,34) on the manifolds.

IPC 1-7

**F28F 9/02**

IPC 8 full level

**F28D 1/053** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)

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Cited by

EP1884734A1; US7484555B2

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