

Title (en)

A vehicle heat exchanger

Title (de)

Wärmetauscher für Kraftfahrzeug

Title (fr)

Echangeur de chaleur pour véhicule automobile

Publication

EP 1065463 B1 20040414 (EN)

Application

EP 00305448 A 20000629

Priority

GB 9915573 A 19990702

Abstract (en)

[origin: EP1065463A2] A vehicle heat exchanger (1), typically an oil cooler, has stacked galleries, including a first gallery system for containing a first fluid, and a second gallery system for containing a second fluid. The first and second gallery systems are sealed from one another and formed by a dimpled shell (2), a plain shell (4) nested within the dimpled shell element (2) and having a surface contacted by projecting dimples (15) of the dimpled shell (2)(to define a first gallery being); a turbulator (3) nested within the plain shell (4); and a further dimpled shell (2) nested in the plain shell (4), the further dimpled shell (a second gallery being defined between the further dimpled shell and the nesting plain shell, and occupied by the turbulator (4)). <IMAGE>

IPC 1-7

F28D 9/00; F28F 3/04; F28F 13/12

IPC 8 full level

F28D 9/00 (2006.01); **F28F 3/04** (2006.01)

CPC (source: EP)

F28D 9/005 (2013.01); **F28F 3/04** (2013.01)

Citation (examination)

EP 0623798 A2 19941109 - BEHR GMBH & CO [DE]

Cited by

DE202010003080U1; US11959710B2; EP3444557A1; CN111542725A; WO2019034646A1

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