

Title (en)
A vehicle heat exchanger

Title (de)
Wärmetauscher für Kraftfahrzeug

Title (fr)
Echangeur de chaleur pour véhicule automobile

Publication
EP 1065463 A2 20010103 (EN)

Application
EP 00305448 A 20000629

Priority
GB 9915573 A 19990702

Abstract (en)
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>

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IPC 8 full level
F28D 9/00 (2006.01); **F28F 3/04** (2006.01)

CPC (source: EP)
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Cited by
DE202010003080U1; US11959710B2; EP3444557A1; CN111542725A; WO2019034646A1

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