

Title (en)  
Heat exchanger

Title (de)  
Wärmetauscher

Title (fr)  
Echangeur de chaleur

Publication  
**EP 1528348 B1 20140305 (DE)**

Application  
**EP 04024691 A 20041015**

Priority  
DE 10349259 A 20031020

Abstract (en)  
[origin: EP1528348A1] The exhaust gas heat exchanger (1) for a road vehicle internal combustion engine has a square- or rectangular-section housing (2). It is made of a U-section (2') with a shallow inverted U- section lid (2''). The interior contains an array of flattened rectangular-section tubes (3) with fins (4) made of corrugated metal sheet between them. Cooling fluid may flow past the fins to cool hot exhaust gas before entering silencers and catalysers. The exhaust gas may flow straight through and the cooling fluid may flow through side connections (5).

IPC 8 full level  
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CPC (source: EP)  
**F28D 7/1653** (2013.01); **F28F 1/126** (2013.01); **F28F 1/14** (2013.01); **F28F 9/026** (2013.01); **F28F 9/0268** (2013.01); **F28D 21/0003** (2013.01); **F28F 2215/04** (2013.01)

Cited by  
CN107314369A; DE102005042315A1; CN107246610A; CN110260304A; CN110274227A; EP1816425A3; CN107246609A; CN110274226A; CN110274225A; WO2013050566A1; EP1816425A2; EP2284471A2; EP2764231B1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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