

Title (en)  
Heat exchanger

Title (de)  
Wärmetauscher

Title (fr)  
Echangeur de chaleur

Publication  
**EP 1528348 A1 20050504 (DE)**

Application  
**EP 04024691 A 20041015**

Priority  
DE 10349259 A 20031020

Abstract (en)  
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).

Abstract (de)  
Die Erfindung betrifft einen Wärmetauscher (1), insbesondere für Kraftfahrzeuge, mit einem Gehäuse (2) und mindestens einem in dem Gehäuse (2) angeordneten Rohr (3), wobei Strukturen (4) in dem Bereich zwischen den Rohren (3) und dem Gehäuse (2) und/oder zwischen den Rohren (3) vorgesehen sind. <IMAGE>

IPC 1-7  
**F28D 7/16**; **F28F 1/04**; **F28F 1/12**

IPC 8 full level  
**F28F 9/02** (2006.01); **F28D 7/16** (2006.01); **F28F 1/04** (2006.01); **F28F 1/12** (2006.01); **F28F 1/14** (2006.01); **F28F 27/02** (2006.01); **F28D 21/00** (2006.01)

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)

Citation (search report)

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1528348 A1 20050504**; **EP 1528348 B1 20140305**; CN 100447518 C 20081231; CN 1898519 A 20070117; DE 102004050567 A1 20050609

DOCDB simple family (application)  
**EP 04024691 A 20041015**; CN 200480038136 A 20041020; DE 102004050567 A 20041015