

Title (en)  
Exhaust gas cooler

Title (de)  
Abgaskühler

Title (fr)  
Refroidisseur de gaz d'échappement

Publication  
**EP 2154460 A3 20130904 (DE)**

Application  
**EP 09167023 A 20090731**

Priority  
DE 102008038624 A 20080812

Abstract (en)  
[origin: EP2154460A2] The cooler has parallel flow channels (3) for guiding a gas flow in a main flow direction. Parallel flow channels (4) guide another gas flow, where the gas flows are in thermal contact in a region of the flow channels. The former gas flow consists of exhaust gas of an internal combustion engine and latter gas flow consists of air. The latter gas flow runs parallel to the former gas flow over half of the length of the flow channels (4). Parallel disks are arranged in a housing (1) for separating the flow channels from each other.

IPC 8 full level  
**F28D 9/00** (2006.01); **F02M 25/07** (2006.01); **F28F 3/02** (2006.01)

CPC (source: EP)  
**F02M 26/31** (2016.02); **F28D 9/0031** (2013.01); **F28D 9/0037** (2013.01); **F28F 3/02** (2013.01); **F28F 2250/104** (2013.01)

Citation (search report)

- [X] DE 102004018197 A1 20051103 - MODINE MFG CO [US]
- [X] WO 2006102736 A1 20061005 - DANA CANADA CORP [CA], et al
- [X] US 2005189097 A1 20050901 - FOWSER SCOTT W [US], et al
- [X] US 6293338 B1 20010925 - CHAPMAN WILLIAM I [US], et al
- [X] DE 102005042396 A1 20070315 - BEHR GMBH & CO KG [DE]
- [X] EP 0974804 A2 20000126 - MODINE MFG CO [US]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**EP 2154460 A2 20100217; EP 2154460 A3 20130904; DE 102008038624 A1 20100218**

DOCDB simple family (application)  
**EP 09167023 A 20090731; DE 102008038624 A 20080812**