

Title (en)  
Exhaust gas cooler

Title (de)  
Abgaskühler

Title (fr)  
Refroidisseur de gaz d'échappement

Publication  
**EP 2148074 A3 20121121 (DE)**

Application  
**EP 09009083 A 20090711**

Priority  
DE 102008034819 A 20080723

Abstract (en)  
[origin: EP2148074A2] The cooler has a housing formed by two half shelves (2a, 2b) and including a cooling water inlet (3) and a cooling water inlet, where cooling pipes are arranged adjacent to each other in the half shelves. Each pipe includes two parallel running side walls with an enlarged distance at ends. The ends of the pipes are jointly connected with each other or with the half shelves above the sidewalls by a laser welding in a liquid-tight manner. Sections of the pipes are designed as a corrugated pipe, and partially extend between the inlet and a housing end or the outlet and the housing end.

IPC 8 full level  
**F02M 25/07** (2006.01); **F28D 7/16** (2006.01); **F28D 9/00** (2006.01); **F28F 1/08** (2006.01); **F28F 3/00** (2006.01)

CPC (source: EP)  
**F02M 26/32** (2016.02); **F28D 7/1684** (2013.01); **F28D 9/0031** (2013.01); **F28F 1/006** (2013.01); **F28F 1/08** (2013.01); **F28F 3/00** (2013.01); **F28F 9/001** (2013.01); **F28D 21/0003** (2013.01); **F28F 2265/26** (2013.01)

Citation (search report)

- [Y] US 6321835 B1 20011127 - DAMSOHN HERBERT [DE], et al
- [YD] DE 102007005370 A1 20070906 - DENSO CORP [JP]
- [Y] US 2006144585 A1 20060706 - HA SIM B [KR], et al
- [Y] DE 29708011 U1 19980827 - SOLVAY VERWALTUNGS UND VERMITT [DE]

Cited by  
CN105637316A; US9206767B2; US9752835B2; WO2013139113A1; WO2015055435A1; US9764435B2; US9976767B2; EP2811249B1

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 2148074 A2 20100127**; **EP 2148074 A3 20121121**; DE 102008034819 A1 20100128

DOCDB simple family (application)  
**EP 09009083 A 20090711**; DE 102008034819 A 20080723