

Title (en)  
EXHAUST GAS COOLER FOR A MOTOR VEHICLE

Title (de)  
ABGASKÜHLER FÜR EIN KRAFTFAHRZEUG

Title (fr)  
DISPOSITIF DE REFROIDISSEMENT DES GAZ D'ÉCHAPPEMENT POUR VÉHICULE À MOTEUR

Publication  
**EP 2220351 A1 20100825 (DE)**

Application  
**EP 08850024 A 20081112**

Priority  
• EP 2008009559 W 20081112  
• DE 102007054165 A 20071112

Abstract (en)  
[origin: WO2009062697A1] The invention relates to an exhaust gas cooler for a motor vehicle, comprising a first collector box on the inlet side and a second collector box on the outlet side (6, 7), and a plurality of exchanger tubes (8) extending between the collector boxes (6, 7) for exhaust gas to flow through. Air can flow around the exchanger tubes (8) so as to cool the exhaust gas. At least one supporting member (9, 10, 11) is attached to at least one of the collector boxes, a force produced by the thermal expansion of the exchanger tubes (8) being passed into the supporting member (9, 10, 11).

IPC 8 full level  
**F02B 29/04** (2006.01); **F02M 25/07** (2006.01); **F28D 1/04** (2006.01); **F28F 9/00** (2006.01)

CPC (source: EP US)  
**F01N 13/08** (2013.01 - US); **F02B 29/0475** (2013.01 - EP US); **F02M 26/31** (2016.02 - EP US); **F28D 1/0443** (2013.01 - EP US); **F28F 9/001** (2013.01 - EP US); **F28F 9/002** (2013.01 - EP US); **F28F 2265/26** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)  
See references of WO 2009062697A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**WO 2009062697 A1 20090522**; CN 101855429 A 20101006; CN 101855429 B 20130327; DE 102008057039 A1 20090716; EP 2220351 A1 20100825; JP 2011503500 A 20110127; JP 5426563 B2 20140226; US 2010218914 A1 20100902; US 2014299294 A1 20141009; US 8794300 B2 20140805

DOCDB simple family (application)  
**EP 2008009559 W 20081112**; CN 200880115911 A 20081112; DE 102008057039 A 20081112; EP 08850024 A 20081112; JP 2010532511 A 20081112; US 201414310408 A 20140620; US 77676710 A 20100510