

Title (en)

Heat exchanger for gas, in particular for the exhaust gas of an engine

Title (de)

Gaswärmetauscher, insbesondere für die Abgase eines Motors

Title (fr)

Echangeur de chaleur pour gaz, notamment pour les gaz d'échappement d'un moteur

Publication

EP 2400140 A3 20161005 (FR)

Application

EP 11170763 A 20110621

Priority

ES 201031002 A 20100628

Abstract (en)

[origin: EP2400140A2] The exchanger (1) has a casing (2) for allowing circulation of exhaust gas to exchange heat with a coolant. A coupler (6) and a duct are connected to a coolant circuit and integrated to a gas reservoir forming piece (7) that is coupled with an end of the casing. The reservoir forming piece integrates a lug (9) fixed to an engine block, and another coupler (4) is coupled with an exhaust gas circuit. The reservoir forming piece is made from stainless steel or aluminum.

IPC 1-7

F02M 25/07

CPC (source: EP ES)

F02M 26/11 (2016.02 - EP); **F02M 26/29** (2016.02 - EP); **F02M 26/32** (2016.02 - EP ES); **F02M 26/36** (2016.02 - EP ES)

Citation (search report)

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- [Y] EP 1925808 A2 20080528 - BEHR GMBH & CO KG [DE]
- [Y] US 5732688 A 19980331 - CHARLTON STEVE J [US], et al
- [XI] US 2005199381 A1 20050915 - MERCZ JOZSEF [DE], et al
- [X] US 2010146954 A1 20100617 - SLOSS CLAYTON A [CA], et al
- [X] EP 1925899 A2 20080528 - VALEO TERMICO SA [ES]

Cited by

EP3054143A1; US9856831B2

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2400140 A2 20111228; **EP 2400140 A3 20161005**; **EP 2400140 B1 20180912**; ES 2399036 A1 20130325; ES 2399036 B1 20140128; ES 2700735 T3 20190219

DOCDB simple family (application)

EP 11170763 A 20110621; ES 11170763 T 20110621; ES 201031002 A 20100628