

Title (en)

Heat exchanger, in particular for cooling exhaust gas

Title (de)

Wärmetauscher, insbesondere zur Abgaskühlung

Title (fr)

Echangeur thermique, notamment destiné au refroidissement des gaz d'échappement

Publication

EP 2048345 A3 20140122 (DE)

Application

EP 08017079 A 20080929

Priority

DE 102007048824 A 20071010

Abstract (en)

[origin: EP2048345A2] The exchanger (1) has flow channels (2, 3) for flowing through with respective fluids. The flow channels are separated from each other by a separator (4) e.g. partition wall and/or partition wall section. A housing element (5) feeds the channels with one fluid. A leakage minimization expansion duct (6) is formed in sections between the separator and the housing element such that a leakage flow of the fluid is reduced between the channels, and longitudinal and/or transverse extensions of the separator and the housing element are held by the duct.

IPC 8 full level

F02M 25/07 (2006.01)

CPC (source: EP)

F02M 26/26 (2016.02); **F02M 26/30** (2016.02); **F28F 9/005** (2013.01); **F28F 27/02** (2013.01); **F01P 11/04** (2013.01); **F02B 3/06** (2013.01); **F02B 29/0418** (2013.01); **F02M 26/11** (2016.02); **F28D 7/00** (2013.01); **F28F 2009/224** (2013.01); **F28F 2250/06** (2013.01)

Citation (search report)

- [X] FR 2873412 A1 20060127 - DENSO CORP [JP]
- [X] EP 1426604 A2 20040609 - AISAN IND [JP]
- [X] DE 102004024056 A1 20051201 - ARVIN TECHNOLOGIES INC [US]
- [X] DE 102006035423 A1 20070516 - DENSO CORP [JP]

Cited by

EP2936040A4; EP2354521A3; US2018156165A1; US10690233B2

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)

EP 2048345 A2 20090415; EP 2048345 A3 20140122; EP 2048345 B1 20170215; DE 102007048824 A1 20090416;
DE 102007048824 B4 20180222

DOCDB simple family (application)

EP 08017079 A 20080929; DE 102007048824 A 20071010