

Title (en)

HOUSING ELEMENT WITH INTEGRATED HEAT EXCHANGE

Title (de)

GEHÄUSEELEMENT MIT INTEGRIERTEM WÄRMETAUSCHER

Title (fr)

ÉLÉMENT DE BOÎTIER AVEC ÉCHANGEUR DE CHALEUR INTÉGRÉ

Publication

**EP 3165728 B1 20200101 (DE)**

Application

**EP 16002000 A 20160914**

Priority

DE 102015013792 A 20151022

Abstract (en)

[origin: US2017114683A1] A device is provided, in particular an oil sump, for an engine and/or a transmission arrangement. The device includes a housing element for the formation of a side wall structure and for holding an operating fluid and a heat exchanger for heat exchange with the operating fluid, the heat exchanger configured to be supplied with temperature control fluid and having a heat exchange element. The heat exchange element forms at least one through-flow duct for the through flow of the operating fluid and at least one through-flow duct for the through flow of the temperature control fluid.

IPC 8 full level

**F01M 11/00** (2006.01)

CPC (source: CN EP RU US)

**F01M 5/00** (2013.01 - RU); **F01M 5/002** (2013.01 - CN US); **F01M 11/00** (2013.01 - RU); **F01M 11/0004** (2013.01 - CN EP US);  
**F01M 13/04** (2013.01 - EP US); **F01P 11/08** (2013.01 - US); **F02F 7/00** (2013.01 - RU); **F28D 9/0025** (2013.01 - EP);  
**F01M 2011/0025** (2013.01 - CN EP US); **F01M 2013/0422** (2013.01 - EP US); **F01M 2013/0438** (2013.01 - EP US);  
**F28D 2021/0089** (2013.01 - EP)

Citation (examination)

- EP 0197169 A1 19861015 - HENGST WALTER GMBH & CO KG [DE]
- DE 2913649 A1 19801016 - PORSCHE AG

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

DOCDB simple family (publication)

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CN 106948900 A 20170714; DE 102015013792 A1 20170427; RU 2016141056 A 20180419; RU 2016141056 A3 20200219;  
RU 2729586 C2 20200811; US 2017114683 A1 20170427

DOCDB simple family (application)

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RU 2016141056 A 20161019; US 201615296895 A 20161018