

Title (en)
INTEGRATED HEAT EXCHANGER FOR A VEHICLE

Title (de)
INTEGRIERTER WÄRMETAUSCHER FÜR EIN FAHRZEUG

Title (fr)
ÉCHANGEUR DE CHALEUR INTÉGRÉ POUR UN VÉHICULE

Publication
EP 2792988 B1 20161109 (EN)

Application
EP 12858280 A 20121119

Priority

- KR 20110133946 A 20111213
- KR 2012009779 W 20121119

Abstract (en)
[origin: EP2792988A1] Disclosed is an integrated heat exchanger for a vehicle, in which an exhaust gas heat exchanging part (exhaust gas recirculation (EGR) cooler) and an oil heat exchanging part (oil cooler) are integrated to be able to optimize the use of a space within the vehicle.

IPC 8 full level
F01M 5/00 (2006.01); **F01P 3/20** (2006.01); **F28D 7/16** (2006.01); **F28D 9/00** (2006.01); **F28D 21/00** (2006.01); **F28F 3/08** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP KR)
F01M 5/00 (2013.01 - KR); **F01M 5/001** (2013.01 - EP); **F01M 5/002** (2013.01 - EP); **F01P 3/20** (2013.01 - KR); **F28D 7/0066** (2013.01 - EP); **F28D 7/1692** (2013.01 - EP); **F28D 9/00** (2013.01 - KR); **F28D 9/005** (2013.01 - EP); **F28D 9/0093** (2013.01 - EP); **F28D 21/0003** (2013.01 - EP); **F28F 3/08** (2013.01 - KR); **F28F 9/26** (2013.01 - EP); **F01P 2060/045** (2013.01 - EP); **F01P 2060/08** (2013.01 - EP); **F01P 2060/16** (2013.01 - EP); **F28D 2021/0089** (2013.01 - EP); **F28F 9/002** (2013.01 - EP); **F28F 2280/06** (2013.01 - EP)

Cited by
EP3141861A1; FR3134882A1; WO2023202842A1

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)
EP 2792988 A1 20141022; EP 2792988 A4 20151021; EP 2792988 B1 20161109; KR 101321064 B1 20131022; KR 20130067099 A 20130621; WO 2013089357 A1 20130620

DOCDB simple family (application)
EP 12858280 A 20121119; KR 20110133946 A 20111213; KR 2012009779 W 20121119