

Title (en)
Exhaust gas heat exchanger

Title (de)
Abgaswärmeübertrager

Title (fr)
Échangeur thermique pour gaz d'échappement

Publication
EP 2559962 A3 20140409 (DE)

Application
EP 12180174 A 20120810

Priority
DE 102011081031 A 20110816

Abstract (en)
[origin: EP2559962A2] The heat exchanger (1) comprises a tube bundle with exhaust pipes (15) and coolant housing (2) which encloses the tube bundle and refrigerant inlet (3) and coolant outlet (4). A three-dimensional coolant guide device (5) is formed between tube bundle and housing for adjusting coolant channel (6,7), such that the refrigerant inlet is opened into the coolant channel.

IPC 8 full level
F28D 7/16 (2006.01); **F01N 5/02** (2006.01); **F02M 25/07** (2006.01); **F28F 9/00** (2006.01); **F28F 9/02** (2006.01); **F28F 9/22** (2006.01)

CPC (source: EP)
F02M 26/28 (2016.02); **F28D 7/1684** (2013.01); **F28F 9/005** (2013.01); **F28F 9/026** (2013.01); **F28F 9/22** (2013.01); **F01N 2240/02** (2013.01)

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Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

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EP 2559962 A2 20130220; EP 2559962 A3 20140409; EP 2559962 B1 20181003; DE 102011081031 A1 20130221

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