

Title (en)
EXHAUST GAS HEAT EXCHANGER

Title (de)
ABGASWÄRMEÜBERTRAGER

Title (fr)
CALOPORTEUR DE GAZ D'ÉCHAPPEMENT

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Application
EP 15703771 A 20150205

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• EP 2015052426 W 20150205

Abstract (en)
[origin: WO2015121148A1] The invention relates to an exhaust gas heat exchanger (1), comprising a pipe bundle (2) having pipes (3) conveying exhaust gas, wherein the pipe bundle (2) is gripped at the intake end and at the discharge end respectively in a base (4, 5), and comprising a housing (7) through which a coolant (6) flows, which housing (7) surrounds the pipe bundle (2), is delimited at the end faces through the two bases (4, 5), and has a coolant inlet (8) and a coolant outlet (9). An extended service life results if in the region of the coolant inlet (8) a flow guiding means (10) is provided, which directs the coolant (6) to locations on the housing (7) at risk of boiling, i.e. to the base on the intake side (4), wherein the at least one flow guiding element (11) forces a change of direction of the coolant flow (6) of approximately $0^\circ < \alpha < 90^\circ$, in particular from approximately $15^\circ < \alpha < 42^\circ$.

IPC 8 full level
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• JP 2013053620 A 20130321 - USUI KOKUSAI SANGYO KK
• JP H1113550 A 19990119 - ISUZU MOTORS LTD
• DE 102010012192 A1 20110922 - PIERBURG GMBH [DE]

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