

Title (en)
EXHAUST-GAS COOLING MODULE FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
ABGASKÜHLMODUL FÜR EINE VERBRENNUNGSKRAFTMASCHINE

Title (fr)
MODULE DE REFROIDISSEMENT DES GAZ D'ÉCHAPPEMENT D'UN MOTEUR À COMBUSTION INTERNE

Publication
EP 2558703 A1 20130220 (DE)

Application
EP 11711505 A 20110323

Priority
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• EP 2011054460 W 20110323

Abstract (en)
[origin: WO2011128194A1] There are frequently problems in recirculating sufficient exhaust-gas quantities in large-volume supercharged engines via an exhaust-gas heat exchanger (5) and an exhaust-gas recirculation valve (14). In order to avoid these problems, it is proposed to arrange two exhaust-gas channels (20, 22) in the exhaust-gas cooling module, which exhaust-gas channels (20, 22) extend separately from one another from the inlet (26) of the exhaust-gas recirculation valve housing (2) via the exhaust-gas heat exchanger (5) to the exhaust-gas non-return valve housing (10). Exhaust-gas non-return flaps (68, 70, 72, 72) which prevent a return flow of the exhaust gas are arranged in the cooling module behind said separate exhaust-gas channels (20, 22), with the result that pressure pulses which are present can be used to ensure a sufficient exhaust-gas recirculated quantity.

IPC 8 full level
F02M 25/07 (2006.01)

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Citation (search report)
See references of WO 2011128194A1

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