

Title (en)

Internal combustion engine having exhaust gas cooling in cooling jacket

Title (de)

Verbrennungsmotor mit Abgaskühlung in einem Kühlmantel

Title (fr)

Moteur à combustion interne ayant un refroidissement de gaz d'échappement dans une enveloppe de refroidissement

Publication

EP 2063097 A1 20090527 (EN)

Application

EP 07121246 A 20071121

Priority

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Abstract (en)

An internal combustion engine (12) is disclosed that may include a cylinder housing element (50) having a wall structure defining at least one cylinder space (54) and a cooling fluid jacket (56) for cooling the cylinder housing element (50). A gas channel (58) may extend at least partly inside said cylinder housing element such that said cooling fluid jacket (56) reduces the temperature of a gas in the gas channel (58). Also disclosed is a method of cooling exhaust gas in an exhaust gas recirculation system (10) of an internal combustion engine (12) having a cylinder housing element (50) with a wall structure defining at least one cylinder space (54) and a cooling fluid jacket (56) for cooling the cylinder housing element (50). The method may include circulating a flow of exhaust gas in heat transferring contact with a cooling fluid inside the cooling fluid jacket (56).

IPC 8 full level

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Citation (search report)

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