

Title (en)

Method for cooling a recirculated exhaust gas flow of an internal combustion engine

Title (de)

Verfahren zur Kühlung eines rückzuführenden Abgasstroms einer Brennkraftmaschine

Title (fr)

Procédé destiné au refroidissement d'un flux des gaz d'échappement recyclé d'un moteur à combustion interne

Publication

EP 2077387 B1 20110727 (DE)

Application

EP 08100147 A 20080107

Priority

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Abstract (en)

[origin: EP2077387A1] The method involves diverting recirculated exhaust gas flow from an exhaust gas mass flow by return pipes (7a, 7b), and conducting the recirculated exhaust gas flow over a discharge opening of a cylinder of an internal combustion engine. An exhaust gas pipe is connected to a discharge opening, and the exhaust gas pipe of the cylinder within a cylinder head by forming an exhaust manifold at a common exhaust gas pipe. The exhaust manifold is completely integrated in the cylinder head. The recirculated exhaust gas flow within the cylinder head is diverted by the return pipes.

IPC 8 full level

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CPC (source: EP)

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Citation (examination)

EP 1006272 A2 20000607 - HONDA MOTOR CO LTD [JP]

Cited by

EP2077388A3; CN111051676A; EP3657003A4; CN102297046A; DE102011103626B4; US11339747B2; FR3063772A1; EP3085943A1; EP3561282A1; FR3080409A1; CN108884791A; EP3438438A4; KR20180059876A; CN108884778A; EP3438433A4; US9010304B2; DE102020117249B4; WO2014079537A1; US10626833B2; US11035327B2; US10871131B2

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