

Title (en)

EGR Device for internal combustion engine equipped with exhaust-gas brake

Title (de)

Abgasrückführvorrichtung für Brennkraftmaschine mit Auspuffbremse

Title (fr)

Dispositif de recirculation de gaz d'échappement pour moteur à combustion interne équipé d'un frein d'échappement

Publication

EP 0658691 B1 19970319 (EN)

Application

EP 94118145 A 19941117

Priority

JP 29070293 A 19931119

Abstract (en)

[origin: EP0658691A1] In an internal combustion engine having an exhaust-gas brake device (5,51) in exhaust-gas pipe (4) and an EGR device (7,8) which returns part of the exhaust-gas from the exhaust-gas pipe upstream from this exhaust-gas brake device to the air-intake manifold (2), a suitable exhaust-gas-brake force can be obtained by setting the opening pressure required to open the exhaust-gas valve (30) to a value which allows the production of a suitable exhaust-gas-braking force but lower than the opening pressure required to open the EGR control valve (8) of EGR device. As a result, when the exhaust-gas brake operates, the leakage of exhaust-gas into the air-intake manifold is eliminated, and the desired exhaust-gas-braking force is achieved. <IMAGE>

IPC 1-7

F02M 25/07; **F02D 9/06**

IPC 8 full level

F02D 9/06 (2006.01); **F02M 25/07** (2006.01)

CPC (source: EP)

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Cited by

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