

Title (en)

Internal combustion engine with exhaust gas recirculation device

Title (de)

Brennkraftmaschine mit Abgasrückführungsvorrichtung

Title (fr)

Moteur à combustion interne avec système de recirculation de gaz d'échappement

Publication

EP 0855502 A3 19981202 (DE)

Application

EP 98890018 A 19980122

Priority

AT 3997 U 19970123

Abstract (en)

[origin: EP0855502A2] In the direct vicinity of the cylinders in each suction channel (21) an exhaust gas feed-back aperture (7) is provided, which is connected to a distribution device (5) fed from the exhaust gas feed-back conduit (8). The distribution device has a positioning component (6), which is so formed that it controls the throughflow cross-section for the exhaust gas through the feed-back aperture (7). The distribution device is formed as a tube, which extends parallel to the longitudinal axis of the engine. In it is provided a slider movable in a longitudinal direction, which controls the exhaust gas feed-back apertures. The positioning component (6) has an auxiliary hole, which defines a predetermined small aperture cross-section for the exhaust gas feed-back.

IPC 1-7

F02M 25/07

IPC 8 full level

F02M 26/44 (2016.01); **F02M 26/70** (2016.01); **F02M 35/10** (2006.01)

CPC (source: EP)

F02M 26/44 (2016.02); **F02M 26/70** (2016.02); **F02M 35/10072** (2013.01); **F02M 35/10222** (2013.01); **F02M 26/20** (2016.02)

Citation (search report)

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- [YA] EP 0701048 A1 19960313 - FORD MOTOR CO [GB], et al
- [AD] EP 0558072 A1 19930901 - MITSUBISHI MOTORS CORP [JP]
- [A] US 5533493 A 19960709 - ATANASYAN ALAIN A [FR]

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