

Title (en)

Method for influencing the quantity of the recirculated exhaust gas.

Title (de)

Verfahren zur Beeinflussung der rückgeführten Abgasmenge.

Title (fr)

Méthode pour influencer la quantité de gaz d'échappement recyclé.

Publication

EP 0473931 B1 19931110 (DE)

Application

EP 91112566 A 19910726

Priority

- DE 4027155 A 19900828
- DE 4037913 A 19901129

Abstract (en)

[origin: EP0473931A2] Additional combustion gas and/or returned exhaust gas is fed by way of an additional air duct/turbulence duct to an inlet duct of an internal combustion engine. In the additional air duct a control element, which primarily influences the quantity of additional combustion gas, is provided upstream of the outlet of the exhaust gas return line. At the same time however it is also possible with this control element to influence the quantity of returned exhaust gas as opposed to the quantity of combustion gas fed in. The control element is coupled to a throttle element provided in the inlet duct of the internal combustion engine. <IMAGE>

IPC 1-7

F02M 25/06; **F02B 31/00**

IPC 8 full level

F02B 31/00 (2006.01); **F02D 21/08** (2006.01); **F02D 21/10** (2006.01); **F02M 25/06** (2006.01); **F02M 35/108** (2006.01); **F02M 25/07** (2006.01)

CPC (source: EP US)

F02D 21/08 (2013.01 - EP); **F02D 21/10** (2013.01 - EP US); **F02M 26/42** (2016.02 - EP); **F02M 26/60** (2016.02 - EP); **F02M 35/10222** (2013.01 - EP); **F02M 35/108** (2013.01 - EP US); **F02M 35/112** (2013.01 - EP US)

Citation (examination)

DE 3025106 A1 19820121 - SUZUKI MOTOR CO [JP]

Cited by

EP0586123A3; AT2434U1; EP0848154A3; EP0887532A3; US6167865B1; US10576817B2; DE19712357A1; US5906183A; DE19712357B4; WO9621097A1; WO9826175A1; EP0911502A2; US10428705B2; US10639985B2; US11572813B2; US10550754B2; US11041426B2; US11614019B2; USD904227S

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0473931 A2 19920311; **EP 0473931 A3 19920708**; **EP 0473931 B1 19931110**; DE 4037913 A1 19920604; DE 59100583 D1 19931216

DOCDB simple family (application)

EP 91112566 A 19910726; DE 4037913 A 19901129; DE 59100583 T 19910726