

Title (en)

Internal combustion engine with exhaust gas recirculation

Title (de)

Brennkraftmaschine mit Abgasrückführung

Title (fr)

Moteur à combustion interne avec recirculation des gaz d'échappement

Publication

EP 0676540 B1 19970723 (DE)

Application

EP 95104425 A 19950325

Priority

DE 4412280 A 19940409

Abstract (en)

[origin: EP0676540A1] the engine has at least 2 inlet valves (3) and an outlet valve (4) for each engine cylinder, with a common control element (9) used for throttling the flow through one of the inlet channels (1) and for throttling the flow at the outlet (8) of a feedback channel (6) between the outlet channel (4) and this inlet channel. Pref. the control element is provided by a rotary slider, which simultaneously throttles the gas flow volume through the main inlet channel and the gas flow volume through the outlet of the feedback channel. The rotation of the slider is controlled by a control device (13), in response to a number of monitored engine operating parameters. <IMAGE>

IPC 1-7

F02M 25/07

IPC 8 full level

F02M 25/07 (2006.01); **F02M 26/20** (2016.01); **F02M 26/41** (2016.01); **F02F 1/24** (2006.01)

CPC (source: EP)

F02M 26/20 (2016.02); **F02M 26/41** (2016.02); **F02M 26/21** (2016.02); **F02M 26/70** (2016.02); **F02M 26/71** (2016.02)

Cited by

FR2923886A1; EP2151569A1; DE102016223222A1; EP0768457A1; FR2739895A1; US5709189A

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

EP 0676540 A1 19951011; **EP 0676540 B1 19970723**; DE 4412280 A1 19951012; DE 59500405 D1 19970828

DOCDB simple family (application)

EP 95104425 A 19950325; DE 4412280 A 19940409; DE 59500405 T 19950325