

Title (en)

DEVICE FOR CONTROLLED INTRODUCTION OF EXHAUST GASES INTO THE COMBUSTION CHAMBER OF AN INTERNAL COMBUSTION ENGINE

Publication

EP 0507996 A3 19930203 (DE)

Application

EP 91121128 A 19911210

Priority

DE 4111240 A 19910408

Abstract (en)

[origin: JPH05118256A] PURPOSE: To provide a device with improved functionality and reliability, which can be made at low cost.

CONSTITUTION: A device for feeding burned gas in measured quantities into a combustion chamber of an internal combustion engine 5 comprises a suction pipe 6 provided with a throttle valve 3, and an exhaust pipe 7. The suction pipe is connected to the exhaust pipe by a line 2 comprising a shutoff valve 1, and the throttle valve is mounted on a drive shaft in the suction pipe. The shutoff valve 1 comprises a closing element, which is able to be actuated by the drive shaft 4.

IPC 1-7

F02M 25/07

IPC 8 full level

F02D 9/02 (2006.01); **F02D 21/08** (2006.01); **F02M 26/55** (2016.01); **F02M 26/63** (2016.01); **F02M 26/70** (2016.01); **F02B 1/04** (2006.01)

CPC (source: EP US)

F02M 26/55 (2016.02 - EP US); **F02M 26/63** (2016.02 - EP US); **F02M 26/70** (2016.02 - EP US); **F02B 1/04** (2013.01 - EP US); **F02D 2009/0276** (2013.01 - EP US)

Citation (search report)

- [X] US 4282846 A 19810811 - MINOURA MIKIO
- [X] US 4048967 A 19770920 - STUMPP GERHARD
- [X] US 4231337 A 19801104 - KUWAHARA AKIYASU, et al

Cited by

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Designated contracting state (EPC)

DE ES FR GB IT NL SE

DOCDB simple family (publication)

DE 4111240 C1 19920604; BR 9201242 A 19921201; EP 0507996 A2 19921014; EP 0507996 A3 19930203; JP H05118256 A 19930514; US 5265578 A 19931130

DOCDB simple family (application)

DE 4111240 A 19910408; BR 9201242 A 19920407; EP 91121128 A 19911210; JP 8694492 A 19920408; US 86192292 A 19920401