Title (en)

Electrically actuated canister circuit regeneration valve

Title (de)

Elektrisch gesteuertes Ventil für Kanisterwiederaufbereitungssystem

Title (fr)

Vanne à commande électrique de circuit de régénération de canister

Publication

**EP 0604285 B1 19970122 (FR)**

Application

**EP 93403081 A 19931217**

Priority

FR 9215362 A 19921221

Abstract (en)

[origin: EP0604285A1] The valve has its shutter (19) bound in terms of movement to the plunger (20) of a solenoid (21) for opening the shutter, and to the membrane (12) pushed by a return spring (22) towards closure of the shutter onto the outlet (18) connected to the intake pipe of the engine. The chamber (14) of the shutter (19) is connected to the canister through the fixed calibration device (17). The chamber (13) on the other side of the membrane (12) is at atmospheric pressure or the pressure of the canister. The partial vacuum which acts on the calibration device (17) is applied to the membrane (12) which is also subjected to the effects of the spring (22) and of the solenoid (20-21). The regeneration flow rate of the canister through the calibration device (17) is thus modulated continuously by means of a variable partial vacuum piloted by the modulation in mean current of the solenoid control. Application of the proportional valve with continuous flow rate for the regeneration of internal combustion engine canisters. <IMAGE>

IPC 1-7

**F02M 25/08**

IPC 8 full level

**F02M 25/08** (2006.01)

CPC (source: EP)

**F02M 25/0836** (2013.01); F02M 2025/0845 (2013.01)

Cited by

CN1068414C; US6470908B1; WO9910646A1; WO9915775A1; WO9630640A1; WO0177515A1

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DOCDB simple family (publication)

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