

Title (en)

FUEL SUPPLY-REGULATING DEVICE FOR A VEHICLE

Title (de)

KRAFTSTOFFZUFUHRREGELUNGSVORRICHTUNG FÜR EIN FAHRZEUG

Title (fr)

DISPOSITIF DE RÉGULATION D'ALIMENTATION EN COMBUSTIBLE POUR UN VÉHICULE

Publication

EP 1985829 A4 20150121 (EN)

Application

EP 05824026 A 20051228

Priority

CN 2005002341 W 20051228

Abstract (en)

[origin: EP1985829A1] An automatic fuel supply adjusting device for motor vehicles comprises a driving speed sensor (SV), a driving state sensor (SS), a gas pedal sensor (9) and a control unit (8) for controlling the amount of fuel supply, the gas pedal sensor (9), the driving speed sensor (SV) and the driving state sensor (SS) being coupled with the control unit (8), wherein the operation state of the control unit (8) of the automatic fuel supply adjusting device is so controlled according to a signal detected by the gas pedal sensor (9), that the engine is supplied with fuel in the normal state or with fuel at idle speed. In the case where the gas pedal is kept in an advanced position and the engine is supplied with fuel in the normal state for so long time that the motor vehicle reaches a constant-speed state, then the control unit (8) enables to supply the engine with fuel in the normal state and with fuel at idle speed alternatively under a preset speed difference value.

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

- [X1] US 2005230161 A1 20051020 - TERUI SHOICHI [JP]
- [A] US 2004084237 A1 20040506 - PETRIE ALFRED E [US]
- [A] US 4078631 A 19780314 - KADOTA MASAHIRO, et al
- [A] DE 102004017115 A1 20051027 - ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]
- See references of WO 2007073619A1

Cited by

EP2775126A1

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