

Title (en)

DEVICE FOR FEEDING MEASURED QUANTITIES OF VOLATILE FUEL COMPONENTS TO THE INTAKE CONDUIT OF AN INTERNAL-COMBUSTION ENGINE

Publication

**EP 0357882 A3 19901107 (DE)**

Application

**EP 89109821 A 19890531**

Priority

DE 3830722 A 19880909

Abstract (en)

[origin: US4953514A] A device for the temporary storing and metered supplying of volatile fuel components present in the free space 22 of a fuel tank system 15 into the intake pipe 1 of a combustion engine 2. The device includes a deaeration pipe 25 which connects the free space 22 with the atmosphere 23 and in which a storage chamber 18 including an absorptive element is disposed. A pipe 20 connects the storage chamber 18 with the intake pipe and can be closed by means of an electromagnetic stop valve 13. An auxiliary valve 21 including a control chamber 14 which can be closed by means of a vacuum controller is disposed between the stop valve 13 and the intake pipe 1. A bypass 4 having an adjustable cross section is provided parallel to the auxiliary valve 21.

IPC 1-7

**F02M 25/08**

IPC 8 full level

**F02M 25/08** (2006.01)

CPC (source: EP US)

**F02M 25/0809** (2013.01 - EP US); **F02M 25/0836** (2013.01 - EP US); **F02M 2025/0845** (2013.01 - EP US)

Citation (search report)

- [AD] DE 3519292 A1 19861204 - BOSCH GMBH ROBERT [DE]
- [A] GB 2066360 A 19810708 - FORD MOTOR CO

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