

Title (en)

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

Publication

EP 0357882 B1 19920415 (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)

Cited by

EP0546247A1; EP0495161A1; FR2671597A1; EP0631075A1; FR2706566A1; JPH07139643A; DE4205101A1; DE4205101C2; WO9217698A1; WO0173283A1; WO9117353A1

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EP 0357882 A2 19900314; **EP 0357882 A3 19901107**; **EP 0357882 B1 19920415**; AT E75004 T1 19920515; BR 8904486 A 19900424; DE 3830722 A1 19900315; DE 3830722 C2 19910801; DE 58901156 D1 19920521; ES 2030938 T3 19921116; JP H02256862 A 19901017; JP H0432221 B2 19920528; US 4953514 A 19900904

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