

Title (en)

Device for temporary feeding of evaporated fuel from the free space of a tank in the intake manifold of an internal combustion engine.

Title (de)

Vorrichtung zum vorübergehenden Einspeisen von im Freiraum einer Tankanlage befindlichen flüchtigen Kraftstoffbestandteilen in das Ansaugrohr einer Verbrennungskraftmaschine.

Title (fr)

Dispositif pour l'alimentation temporaire de carburant évaporé d'un espace libre d'un réservoir dans la tubulure d'admission d'un motor à combustion interne.

Publication

EP 0585527 B1 19950726 (DE)

Application

EP 93107112 A 19930503

Priority

- DE 4229110 A 19920901
- US 11537593 A 19930901

Abstract (en)

[origin: JPH06159165A] PURPOSE: To provide an extremely simple structure so as to achieve technical and economical benefits in manufacturing and obtain precise and excellent service performances for a long period of service time. CONSTITUTION: A line can be sealed by an electromagnetically actuated valve 10. A valve seat 13 forms an axial restricting portion of a tubular nozzle 14. The nozzle has a first open cross section 15 in the area of the valve seat 13. The first open cross section tapers away from the valve seat 13 as considered in a flow direction to form a second open cross section 17. The second open cross section 17 conically widens in the area of the axial end of the nozzle 14 at the opposite side of the valve seat 13 to form a third open cross section 18. The third open cross section is larger than the first open cross section 15.

IPC 1-7

F02M 25/08; **F16K 31/06**

IPC 8 full level

F02M 25/08 (2006.01); **F16K 31/06** (2006.01)

CPC (source: EP US)

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

Cited by

US5975062A; EP0864741A3; US6666192B2; EP0969198A2; EP0864741A2; EP0628137B1

Designated contracting state (EPC)

DE ES FR

DOCDB simple family (publication)

DE 4229110 C1 19931007; BR 9303260 A 19940322; CA 2105363 A1 19940302; CA 2105363 C 19991228; DE 59300407 D1 19950831; EP 0585527 A1 19940309; EP 0585527 B1 19950726; ES 2076045 T3 19951016; JP 2528256 B2 19960828; JP H06159165 A 19940607; US 5460137 A 19951024

DOCDB simple family (application)

DE 4229110 A 19920901; BR 9303260 A 19930802; CA 2105363 A 19930901; DE 59300407 T 19930503; EP 93107112 A 19930503; ES 93107112 T 19930503; JP 21580193 A 19930831; US 11537593 A 19930901