

Title (en)

Fluid flow device for fuel evaporative emission control system

Title (de)

Strömungseinrichtung für Kraftstoffdampfrückhaltesystem

Title (fr)

Dispositif d'écoulement pour un système de commande des émissions de vapeur de carburant

Publication

EP 1688610 A2 20060809 (EN)

Application

EP 06270006 A 20060118

Priority

GB 0502233 A 20050203

Abstract (en)

A fluid flow device (22) is provided which can be positioned in a vent line (5) between a sealed fuel tank (10) and an activated carbon adsorber canister (20) in a fuel evaporative emission control system. The fluid flow device (22) is adapted to provide little pressure drop and vortex generation in a vent direction, while providing substantial pressure drop and vortex generation in a purge direction. The fluid flow device (22) may comprise the serial combination of a converger (28) and a diffuser (30).

IPC 8 full level

F02M 25/08 (2006.01)

CPC (source: EP)

F02M 25/0854 (2013.01)

Citation (applicant)

- US 4403587 A 19830913 - MIZUNO JUNZI [JP], et al
- US 4338106 A 19820706 - MIZUNO JUNZI, et al
- US 4507132 A 19850326 - YOSHIDA SHIGERU [JP]
- EP 0756079 A1 19970129 - TOYOTA MOTOR CO LTD [JP]

Cited by

US9845745B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1688610 A2 20060809; EP 1688610 A3 20090708; GB 0502233 D0 20050309

DOCDB simple family (application)

EP 06270006 A 20060118; GB 0502233 A 20050203