

Title (en)

Fuel dispensing system with shut off device upon detection of fuel flow in vapour recovery line

Title (de)

Kraftstoffabgabevorrichtung mit Sperreinrichtung bei Anwesenheit von Flüssigkeit in der Gasrückföhrleitung

Title (fr)

Distributeur de carburant avec dispositif de coupure lors de la présence de liquide dans la conduite de récupération de vapeurs

Publication

EP 1035071 A1 20000913 (EN)

Application

EP 00104016 A 20000225

Priority

IT FI990039 A 19990305

Abstract (en)

A fuel dispensing system (200) comprises means (100) for detecting fuel flowing in a vapour recovery line (102) and means (100) for preventing flow of the fuel detected, possibly by accumulated fuel closing a valve in the vapour recovery line, generation of an appropriate signal to the dispenser control, or some such other means. The invention prevents fraud (intentional or otherwise) which may occur if fuel metered by the dispenser, and charged to a customer, is subsequently returned via the vapour recovery line which may occur, for example, if the vapour recovery line is coaxial with the fuel delivery line and a seal fails in the couplings between the dispenser and nozzle. <IMAGE>

IPC 1-7

B67D 5/04

IPC 8 full level

B67D 7/04 (2010.01)

CPC (source: EP)

B67D 7/0478 (2013.01); **B67D 7/0488** (2013.01)

Citation (applicant)

US 4687033 A 19870818 - FURROW ROGER W [US], et al

Citation (search report)

- [A] DE 4139844 A1 19930624 - CURTIUS FRITZ [DE]
- [A] EP 0486910 A1 19920527 - DUERR DENTAL GMBH CO KG [DE]

Cited by

US7258001B2; EP1061038A1

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