

Title (en)

Venturi liquid evacuator system for maintaining clear vapor path in vapor recovery hose.

Title (de)

Venturisystem zum Absaugen von Flüssigkeit aus und zum Freihalten des Durchgangs in einer Dampfauffangleitung.

Title (fr)

Système d'évacuation de liquide à tube Venturi pour maintenir un libre passage dans un tuyau de récupération de vapeur.

Publication

EP 0155186 A1 19850918 (EN)

Application

EP 85301779 A 19850314

Priority

US 59006384 A 19840315

Abstract (en)

In a coaxial hose system for a fuel distribution system, a product delivery hose (120) is centrally located within a vapor recovery hose (82), whereby the area between the product and vapor hoses provides a return path for vapors developed at a nozzle during refueling of a vehicle. A venturi pump (64) is located in the product hose (120) line, and operable over a range of flow rate of the fuel through the product hose (120), for sucking fuel back into the product hose (120) from an area of the vapor path where fuel may accumulate due to backflow from the nozzle (128), thereby substantially insuring a clear vapor path and more complete delivery of metered fuel.

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B67D 5/06

IPC 8 full level

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CPC (source: EP)

B67D 7/0488 (2013.01)

Citation (search report)

- [X] GB 2016417 A 19790926 - ATLANTIC RICHFIELD CO
- [Y] US 3913633 A 19751021 - HILLER TRUEMAN W

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US5141037A; US5148840A; US5056569A; US5333654A; US4842027A; US5197523A; JPH02502152A; US5255723A; US4749009A; US5129433A; US4967809A; US5305806A; US5361810A; US5193593A; US5042537A; AU598617B2; US5341855A; US5035271A; US5088528A; US5297594A; US5392824A; US5040576A; US5435356A; EP0423060A1; US5307848A; US5240045A; US4951720A; AU619295B2; US4768566A; EP0274599A1; US4827987A; WO8802336A1; WO9606797A1; WO8910323A1; WO8902411A1

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