

Title (en)  
Vapour recovery device and method

Title (de)  
Vorrichtung und Verfahren zur Kraftstoffdampf-Rückgewinnung

Title (fr)  
Dispositif et procédé de récupération de vapeurs

Publication  
**EP 1460033 A1 20040922 (EN)**

Application  
**EP 04445017 A 20040224**

Priority  
SE 0300754 A 20030320

Abstract (en)  
A fuel dispensing device (1) for dispensing fuel to a motor vehicle tank (11), comprises fuel dispensing means and vapour recovery means for recovering vapour from the motor vehicle tank. The fuel dispensing means comprises fuel flow rate measuring means (7) for measuring the amount of dispensed fuel, and the vapour recovery means comprises vapour flow rate measuring means (9) for measuring the amount of vapour recovered from the motor vehicle tank (11) and adjusting means (14) for adjusting the amount of vapour recovered from the motor vehicle tank (11). The adjusting means (14) are arranged to, at a predetermined periodicity, receive a fuel measuring value from the fuel flow rate measuring means (7), compare the fuel measuring value with a vapour measuring value from the vapour flow rate measuring means (9), and adjust the flow of vapour from the motor vehicle tank (11) so that the volume of the vapour recovered from the motor vehicle tank (11) is equal to the volume of the fuel dispensed to the motor vehicle tank (11). <IMAGE>

IPC 1-7  
**B67D 5/04**

IPC 8 full level  
**B67D 7/04** (2010.01)

CPC (source: EP)  
**B67D 7/0486** (2013.01)

Citation (search report)

- [DXY] GB 2352437 A 20010131 - TOKHEIM SERVICES FRANCE [FR]
- [Y] US 2001020493 A1 20010913 - NANAJI SEIFOLLAH S [US]
- [DX] EP 0461770 A1 19911218 - GILBARCO INC [US]
- [DX] US 6109311 A 20000829 - FOURNIER JACQUES [FR], et al
- [X] US 6170539 B1 20010109 - POPE KENNETH L [US], et al
- [X] EP 0577890 A1 19940112 - GILBARCO INC [US]
- [X] US 6131621 A 20001017 - GARRARD JOHN EDWARD [GB]
- [A] EP 1103516 A1 20010530 - DRESSER WAYNE AB [SE]
- [A] US 5417256 A 19950523 - HARTSELL JR HAL C [US], et al

Cited by  
US7814942B2; EP1739053A1; US8397770B2; US8408252B2; US8474492B2

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