

Title (en)
FUEL DISPENSER WITH A DEVICE FOR CONTROLLING THE GAS CONTENT

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Application
EP 89402382 A 19890831

Priority
FR 8811529 A 19880902

Abstract (en)
[origin: US4978374A] When a hydrocarbon liquid is pumped (11) for retail delivery, it is degassed by means of a vortex device (13). A control valve (21) shuts off delivery if the gas content in the degassed liquid being delivered via a main duct (16) is too high. Unlike prior systems which sense gas content only in the liquid being delivered, the present invention senses the greater gas content in the recycled gas-enriched fraction from the vortex separator device (13). This is done by means of a venturi system (19) controlling a servo-valve (25) which in turn controls the control valve (21). By using a magnified image of the gas content, the system is made more sensitive and more reliable.

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B67D 5/58

IPC 8 full level
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CPC (source: EP US)
B67D 7/0484 (2013.01 - EP US); **B67D 7/763** (2013.01 - EP US)

Cited by
US5363988A; EP1862429A1; US5232006A; FR2730484A1; EP0507370A1; FR2674932A1; DE102008034951B4; FR2919855A1; EP0532202A3; EP0473818A1; US6179163B1; WO2023041265A1; WO2019158735A1; WO9219531A1; WO9625358A1; WO0076910A1; DE102008034951A1; US7850767B2

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