

Title (en)

Petrol station with fuel vapor recovery.

Title (de)

Kraftfahrzeugtankstelle mit Rückgewinnung von Brennstoffdampf.

Title (fr)

Station d'essence avec récupération de vapeur de carburant.

Publication

EP 0598928 B1 19950315 (DE)

Application

EP 92119596 A 19921117

Priority

EP 92119596 A 19921117

Abstract (en)

[origin: EP0598928A1] The invention relates to a petrol station with sucking off of the carburettor fuel gases which emerge from the motor vehicle tanks (13) while the latter are being filled, the said sucking off action being performed by means of a gas pump (12) which is arranged in a gas return pipe (11a to 11d) which extends between the storage tank (6a to 6d) and a gas suction aperture (10) on the pintle valve (4a to 4d) and is driven by the measuring assembly (8a to 8d) which is driven by the petrol pump (7a to 7d) in the manner of a hydraulic motor and has a suction rate which corresponds to the amount of fuel discharged in each case. In order to reduce the outlay entailed by arranging for the carburettor fuel gases to be sucked off, both when the equipment is newly constructed and when existing equipment is converted, in the case of multi-product petrol pumps with delivery of only one kind of fuel at any one time, all the gas return pipes (11a to 11d) which emerge from the gas suction aperture (10) of the pintle valves (4a to 4d) for delivery of the various carburettor fuels are, with interposition of a cut-off valve (14a to 14d) in each case, jointly connected to the suction nozzle (12a) of the gas pump (12), the pressure nozzle (12b) of which is connected to a gas pipe (12c) which connects all the storage tanks (6a to 6d) for carburettor fuels, the said gas pump (12) being driven via a transmission system (15a to 15d) which connects to the gas pump (12) all the measuring assemblies (8a to 8d) for delivery of the different carburettor fuels and belongs to the petrol pump (7a to 7d) switched on for the respective tapping operation. <IMAGE>

IPC 1-7

B67D 5/06

IPC 8 full level

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CPC (source: EP)

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Cited by

DE19652120A1; FR2753961A1; DE4431547C1; CN105020574A; CN102966843A; FR2909078A1; FR2794737A1; CN1063729C; EP3978425A1; US8256471B2; WO2008071865A1; US8371341B2; EP0703186A1

Designated contracting state (EPC)

AT CH DE ES FR GR LI NL

DOCDB simple family (publication)

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EP 92119596 A 19921117; AT 92119596 T 19921117; DE 59201683 T 19921117; ES 92119596 T 19921117; GR 950400695 T 19950324; HU 9303255 A 19931116; PL 29904693 A 19930524