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(54) Title: A MOVABLE FUEL-FILLING STATION WITH A DEVICE FOR RECOVERING FUEL-GAS AIRTIGHTLY

(54) 发明名称: 具有油气密闭回收装置的可移动加油站

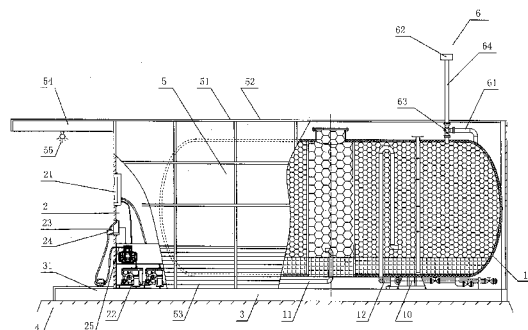


图 1 / Fig. 1

(57) Abstract: A movable fuel-filling station with a device for recovering fuel-gas airtightly comprises at least a fuel-storing tank, a fuel outlet pipe of which is connected with a fuel-filling machine. The fuel-storing tank is a dual-wall tank. A barrier and antiexplosion material is filled into an inner chamber of the fuel-storing tank and an interlayer composed by the dual layer walls of the tank, respectively. A skid body is disposed below the fuel-storing tank and the fuel-filling machine. A cover is disposed above the skid body. The skid body is fixed to the anticollision ground so as to form a movable fuel-filling station. A fuel-gas recovering device disposed on the fuel-storing tank includes a breather valve disposed on the same tank and a three-way valve mounted on a pipe, which communicates with the fuel-storing tank through

the breather valve. One end of the three-way valve is connected with a fuel-gas recovering pipe, a filler neck of which is connected with a joint of a fuel-gas recovering pipe of a tank truck during the filling into the fuel-storing tank. This movable fuel-filling station can greatly reduce floor space, achieve an airtight recover of the fuel-gas, efficiently reduce harm to atmosphere, and save energy.

(57) 摘要:

一种具有油气密闭回收装置的可移动加油站至少包括有储油罐, 储油罐的出油管与加油机相连, 该储油罐为双壁罐, 且在储油罐内腔和双层罐壁所构成的夹层中分别填充有阻隔防爆材料, 储油罐和加油机的下方设有撬体, 撬体上设有单体, 该撬体固定在防撞地基上以形成可移动的加油站。储油罐设有油气回收装置, 包括设在储油罐上的呼吸阀, 通过呼吸阀与储油罐连通的管道上安装有三通阀, 三通阀的一端连接有油气回收管, 该油气回收管的接管嘴在运油槽车对储油罐注油的过程中与运油槽车的油气回收管接头相连接。此可移动加油站大大减少占地面积, 实现油气密闭回收, 有效地减少对大气的污染和损害, 节约能源。

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