

Title (en)

FUEL STORAGE AND SUPPLY ARRANGEMENT HAVING FUEL CONDITIONING AND FILTRATION ASSEMBLY

Title (de)

KRAFTSTOFFSPEICHER- UND VERSORGUNGSANORDNUNG MIT KRAFTSTOFFKONDITIONIERUNGS- UND FILTRIERANORDNUNG

Title (fr)

AGENCEMENT DE STOCKAGE ET D'ALIMENTATION DE CARBURANT AVEC UN ENSEMBLE DE CONDITIONNEMENT ET DE FILTRATION DE CARBURANT

Publication

EP 4007650 A4 20230802 (EN)

Application

EP 20851151 A 20200731

Priority

- US 201916530579 A 20190802
- US 2020044486 W 20200731

Abstract (en)

[origin: WO2021025994A1] A fuel storage and supply arrangement serving as a source of fuel to be dispensed via at least one fuel dispenser in a fuel dispensing environment. The arrangement comprises a storage tank for the fuel and a pump assembly for drawing the fuel and conveying it via a fuel supply line to the at least one fuel dispenser along a dispenser flow path. A fuel conditioning and filtration assembly comprise a filter element within a housing which has an inlet and outlet for receiving and exiting respectively the fuel received from the pump. A return tube receiving fuel from the outlet of the housing is also provided. An agitator manifold receiving the fuel from the return tube and having an agitator tube defining a plurality of agitation holes. A flow control valve is provided for controlling the flow of the fuel in the fuel conditioning and filtration assembly.

IPC 8 full level

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CPC (source: EP)

B01F 23/45 (2022.01); **B01F 25/21** (2022.01); **B01F 25/50** (2022.01); **B67D 7/04** (2013.01); **B67D 7/766** (2013.01)

Citation (search report)

- [A] US 2018257925 A1 20180913 - SCHULTZ NICHOLAS [US], et al
- [A] US 8366312 B1 20130205 - VALDEZ RUBEN [US], et al
- [A] US 2241337 A 19410506 - WORK ERNEST W
- [A] EP 0854837 A1 19980729 - PETRO MAN LIMITED [GB]
- See references of WO 2021025994A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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