

Title (en)

METHOD FOR FILLING A STORAGE TANK WITH A GASEOUS FUEL

Title (de)

VERFAHREN ZUM BETANKEN EINES SPEICHERBEHÄLTERS MIT EINEM GASFÖRMIGEN TREIBSTOFF

Title (fr)

PROCEDE DE REMPLISSAGE D'UN RESERVOIR DE STOCKAGE AU MOYEN D'UN CARBURANT GAZEUX

Publication

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Application

EP 03729429 A 20030107

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Abstract (en)

[origin: WO03060374A1] The invention relates to a method for filling a storage tank, in particular a motor vehicle storage tank with a gaseous fuel, in particular with gaseous hydrogen, at a pressure in excess of 300 bar, whereby the fuel is compressed and temporarily stored. According to the invention, the condensed fuel is stored temporarily at one or more pressure levels and during the filling process, the storage tank to be filled is filled from one temporary storage container if the fuel is stored at one pressure level and from one or more temporary storage containers if the fuel is stored at more than one pressure level, said filling process preferably starting with the temporary storage container that has the lowest pressure level. Once the pressure between the storage container to be filled and the temporary storage container or containers has equalised, said storage tank is filled at a final pressure by means of at least one compressor, which compresses the gaseous fuel from the temporary storage container or containers.

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Citation (search report)

See references of WO 03060374A1

Citation (examination)

EP 0653585 A1 19950517 - BURCKHARDT AG MASCHF [CH]

Cited by

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