

Title (en)

METHOD AND DEVICE FOR FILLING A TANK WITH LIQUEFIED GAS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR FÜLLUNG EINES BEHÄLTERS MIT FLÜSSIGGAS

Title (fr)

PROCÉDÉ DE REMPLISSAGE D'UN RÉSERVOIR DE GAZ LIQUÉFIÉ

Publication

EP 2923142 B1 20170201 (FR)

Application

EP 13785544 A 20131010

Priority

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Abstract (en)

[origin: WO2014080100A1] A method for filling a tank (1) with liquefied gas, in particular a tank with cryogenic liquid, from a liquefied gas container (2), in particular a cryogenic liquid container (2), which container (2) is in fluid communication with the tank (1) via a filling pipe (3), wherein the method uses a pressure differential generation member (4) for transferring liquid from the container (2) to the tank (1) at a predetermined pressure, characterized in that, at or following the switching on time (M) of the pressure differential generation member (4), the method comprises a step of determining the pressure (PT4) in the tank (1) via a measurement of a first pressure in the filling pipe (3), and, following the determination of the pressure (PT4) in the tank, a step of limiting the first instantaneous pressure (PT3) to a level below a maximum pressure threshold (PT3sup), said maximum pressure threshold being defined on the basis of the determined value of the pressure (PT4) in the tank (1) and exceeding said determined value of the pressure (PT4) in the tank by two to twenty bars and preferably by two to nine bars.

IPC 8 full level

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CPC (source: EP US)

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