

Title (en)

DEVICE, SYSTEM AND METHOD FOR PRESSURE REGULATION FOR A LIQUEFIED NATURAL GAS STORAGE TANK

Title (de)

VORRICHTUNG, SYSTEM UND VERFAHREN ZUR DRUCKREGELUNG FÜR EINEN FLÜSSIGERDASSPEICHERTANK

Title (fr)

DISPOSITIF, SYSTÈME ET PROCÉDÉ DE RÉGULATION DE LA PRESSION POUR UN RÉSERVOIR DE STOCKAGE DE GAZ NATUREL LIQUÉFIÉ

Publication

EP 3559542 B1 20210127 (FR)

Application

EP 17825592 A 20171215

Priority

- FR 1663065 A 20161221
- FR 2017053614 W 20171215

Abstract (en)

[origin: WO2018115661A1] The pressure regulation device (100) for a liquefied natural gas storage tank (200) comprises: - a pipe (105) for transferring boil-off gas of liquefied natural gas designed to be attached to an outlet (205) for boil-off gas from the tank, this transfer pipe being provided with a first discharging device (110) that is activated when the boil-off gas pressure in the tank is greater than a first predetermined threshold value, referred to as "P1," - a heat exchanger (115) for cooling and/or liquefying the boil-off gas discharged from the tank -between the transfer pipe (105) and the heat exchanger (115): -a temporary storage volume (125) of boil-off gas and -between the storage volume and the heat exchanger: -a second discharge device (130) designed to be activated when the boil-off gas pressure in the tank is greater than a second predetermined threshold value, greater than the first threshold value or - an expander (630) designed to be activated when the boil-off gas pressure at the exchanger and/or tank is less than a third predetermined threshold value, referred to as "P3," P3 being less than P1 and - a return pipe (120) for liquefied boil-off gas connected to the heat exchanger, the return pipe being designed to be attached to an inlet (210) for liquefied boil-off gas from the tank.

IPC 8 full level

F17C 13/02 (2006.01)

CPC (source: EP KR)

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