Title (en)

PRESSURE RISE SUPPRESSION DEVICE FOR STORAGE TANK, PRESSURE RISE SUPPRESSION SYSTEM PROVIDED THEREWITH, SUPPRESSION METHOD THEREFOR, LIQUEFIED GAS CARRYING VESSEL PROVIDED THEREWITH, AND LIQUEFIED GAS STORAGE FACILITY PROVIDED THEREWITH

Title (de)

DRUCKAUFBAU-UNTERDRÜCKUNGSVORRICHTUNG FÜR EINEN SPEICHERTANK, DRUCKAUFBAU-UNTERDRÜCKUNGSSYSTEM DAMIT, UNTERDRÜCKUNGSVERFAHREN DAFÜR, FLÜSSIGGASTRANSPORTGEFÄSS DAMIT UND FLÜSSIGGAS-LAGERUNGSANLAGE DAMIT

Title (fr)

DISPOSITIF DE SUPPRESSION DE HAUSSE DE PRESSION POUR RÉSERVOIR DE STOCKAGE, SYSTÈME DE SUPPRESSION DE HAUSSE DE PRESSION POURVU DE CELUI-CI, PROCÉDÉ DE SUPPRESSION S'Y RAPPORTANT, RÉCIPIENT DE TRANSPORT DE GAZ LIQUÉFIÉ POURVU DE CELUI-CI ET INSTALLATION DE STOCKAGE DE GAZ LIQUÉFIÉ POURVUE DE CELUI-CI

Publication

EP 2775194 A4 20151028 (EN)

Application

EP 12841914 A 20121018

Priority

- JP 2011230785 A 20111020
- JP 2012076921 W 20121018

Abstract (en)

[origin: EP2775194A1] In order to suppress pressure rise in a storage tank for storing liquefied gas, simplify a facility and lower the cost of the facility, a pressure rise suppression device for a storage tank is provided with: the storage tank (2) in which liquefied gas is stored; a heat exchange means (4) in which the liquefied gas in a liquid state extracted from the storage tank (2) and a refrigerant exchange heat with seach other; a refrigerant compression means (31) which compresses the refrigerant led to the heat exchange means (4); a refrigerant expansion means (33) which reduces the pressure of the refrigerant compressed by the refrigerant compression means (31) and supplies the refrigerant to the heat exchange means (4), and a supply means (11) which supplies the liquefied gas in the liquid state cooled in the heat exchange means (4) to the liquefied gas in the liquid state in the storage tank (2).

IPC 8 full level

F17C 13/00 (2006.01); **F25B 1/10** (2006.01); **F25B 9/00** (2006.01); **F25B 9/06** (2006.01); **F25J 1/00** (2006.01); **F25J 1/02** (2006.01)

CPC (source: EP)

F17C 13/004 (2013.01); **F25J 1/0025** (2013.01); **F25J 1/0045** (2013.01); **F25J 1/005** (2013.01); **F25J 1/0072** (2013.01); **F25J 1/0204** (2013.01); **F25J 1/0277** (2013.01); **F25J 1/0288** (2013.01); F17C 2221/033 (2013.01); F17C 2221/035 (2013.01); F17C 2223/0153 (2013.01); F17C 2223/0161 (2013.01); F17C 2223/0169 (2013.01); F17C 2223/033 (2013.01); F17C 2223/047 (2013.01); F17C 2225/044 (2013.01); F17C 2227/0341 (2013.01); F17C 2227/0365 (2013.01); F17C 2250/01 (2013.01); F17C 2250/0439 (2013.01); F17C 2260/021 (2013.01); F17C 2265/034 (2013.01); F17C 2265/037 (2013.01); F17C 2270/0105 (2013.01); F17C 2270/05 (2013.01); F25B 1/10 (2013.01); F25B 9/002 (2013.01); F25B 9/06 (2013.01); F25B 2400/14 (2013.01); F25J 2205/90 (2013.01); F25J 2210/04 (2013.01); F25J 2215/62 (2013.01); F25J 2215/64 (2013.01); F25J 2245/90 (2013.01); F25J 2290/34 (2013.01); F25J 2290/62 (2013.01)

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