

Title (en)
METHOD FOR COOLING A LIQUEFIED GAS

Title (de)
VORRICHTUNG ZUM KÜHLEN EINES FLÜSSIGGASES

Title (fr)
PROCÉDÉ DE REFROIDISSEMENT D'UN GAZ LIQUÉFIÉ

Publication
EP 3271635 B1 20201007 (FR)

Application
EP 16712971 A 20160318

Priority
• FR 1552318 A 20150320
• FR 2016050611 W 20160318

Abstract (en)
[origin: WO2016151224A1] The invention relates to a method for cooling a liquefied gas (8) stored in the inner space of a sealed, thermally insulating vessel (2) in a state of two-phase liquid-vapour equilibrium, said method comprising the steps of: drawing a stream of gas in vapour phase into the inner space of the vessel (2), said step of drawing a stream of gas in vapour phase generating in the inner space of the vessel a pressure P1 of less than the atmospheric pressure such that vaporisation of the liquefied gas is promoted and the liquefied gas stored in the vessel is placed in a state of two-phase liquid-vapour equilibrium, with the liquefied gas having a temperature of less than the liquid-vapour equilibrium temperature of said liquefied gas at atmospheric pressure; and guiding the drawn stream of gas in vapour phase towards a circuit for using gas in vapour phase (13). The invention also relates to a facility for storing and cooling a liquefied gas.

IPC 8 full level
F17C 3/02 (2006.01); **F17C 13/00** (2006.01)

CPC (source: EP KR)
F17C 3/027 (2013.01 - EP KR); **F17C 13/004** (2013.01 - EP KR); **F17C 2201/0157** (2013.01 - EP); **F17C 2201/052** (2013.01 - EP); **F17C 2203/0358** (2013.01 - EP KR); **F17C 2203/0391** (2013.01 - EP KR); **F17C 2203/0629** (2013.01 - EP KR); **F17C 2203/0631** (2013.01 - EP KR); **F17C 2205/0335** (2013.01 - EP KR); **F17C 2221/033** (2013.01 - EP); **F17C 2221/035** (2013.01 - EP); **F17C 2223/0153** (2013.01 - EP); **F17C 2223/0161** (2013.01 - EP KR); **F17C 2223/0169** (2013.01 - EP); **F17C 2223/033** (2013.01 - EP); **F17C 2223/038** (2013.01 - EP); **F17C 2223/041** (2013.01 - EP); **F17C 2223/043** (2013.01 - EP KR); **F17C 2225/0123** (2013.01 - EP); **F17C 2227/0107** (2013.01 - EP); **F17C 2227/0157** (2013.01 - EP KR); **F17C 2227/0309** (2013.01 - EP KR); **F17C 2227/0316** (2013.01 - EP); **F17C 2227/045** (2013.01 - EP); **F17C 2250/043** (2013.01 - EP); **F17C 2250/0443** (2013.01 - EP); **F17C 2250/0491** (2013.01 - EP); **F17C 2250/0626** (2013.01 - EP); **F17C 2250/0636** (2013.01 - EP); **F17C 2260/033** (2013.01 - EP); **F17C 2260/035** (2013.01 - EP); **F17C 2265/032** (2013.01 - EP); **F17C 2265/066** (2013.01 - EP); **F17C 2265/07** (2013.01 - EP); **F17C 2270/0105** (2013.01 - EP); **F17C 2270/0113** (2013.01 - EP)

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

DOCDB simple family (publication)
FR 3033874 A1 20160923; **FR 3033874 B1 20181109**; CN 107636380 A 20180126; CN 107636380 B 20201016; EP 3271635 A1 20180124; EP 3271635 B1 20201007; ES 2834889 T3 20210621; JP 2018513944 A 20180531; JP 6726201 B2 20200722; KR 102462361 B1 20221102; KR 20170128416 A 20171122; MY 182246 A 20210118; SG 11201707693P A 20171030; WO 2016151224 A1 20160929

DOCDB simple family (application)
FR 1552318 A 20150320; CN 201680028557 A 20160318; EP 16712971 A 20160318; ES 16712971 T 20160318; FR 2016050611 W 20160318; JP 2017549198 A 20160318; KR 20177028170 A 20160318; MY PI2017703476 A 20160318; SG 11201707693P A 20160318