

Title (en)

LNG tank and method of treating boil-off gas

Title (de)

LNG Behälter und Verfahren um den "Boil of gas" zu behandeln

Title (fr)

Réservoir GNL et procédé de traitement des vapeurs de gaz

Publication

EP 1956287 A2 20080813 (EN)

Application

EP 07007423 A 20070411

Priority

KR 20070014405 A 20070212

Abstract (en)

An LNG storage tank and a method of treating boil-off gas using the same are disclosed. The LNG storage tank and the method of treating boil-off gas enable the pressure of the LNG storage tank to be maintained in a stable state without consuming boil-off gas generated in the LNG tank as propulsion fuel or without re-liquefying the boil-off gas. The storage tank comprises a thermal insulation wall, and has strengthened structure to permit a pressure increase resulting from heat influx to the LNG tank and boil-off gas generation. The method comprises permitting a pressure increase by the boil-off gas generation and LNG cargo temperature increase in the storage tank without treating the generated boil-off gas in the storage tank, so that the boil-off gas is accumulated without extracting or loss in the storage tank.

IPC 8 full level

F17C 13/00 (2006.01)

CPC (source: EP KR)

B63B 25/08 (2013.01 - KR); **B63B 25/16** (2013.01 - KR); **F17C 13/004** (2013.01 - EP); **F17C 2201/0157** (2013.01 - EP); **F17C 2201/052** (2013.01 - EP); **F17C 2203/0639** (2013.01 - EP); **F17C 2203/0648** (2013.01 - EP); **F17C 2221/033** (2013.01 - EP); **F17C 2223/0161** (2013.01 - EP); **F17C 2223/033** (2013.01 - EP); **F17C 2223/043** (2013.01 - EP); **F17C 2223/047** (2013.01 - EP); **F17C 2225/0161** (2013.01 - EP); **F17C 2225/033** (2013.01 - EP); **F17C 2225/035** (2013.01 - EP); **F17C 2225/044** (2013.01 - EP); **F17C 2225/047** (2013.01 - EP); **F17C 2227/0135** (2013.01 - EP); **F17C 2227/0178** (2013.01 - EP); **F17C 2250/0631** (2013.01 - EP); **F17C 2260/035** (2013.01 - EP); **F17C 2265/03** (2013.01 - EP); **F17C 2265/032** (2013.01 - EP); **F17C 2265/034** (2013.01 - EP); **F17C 2265/037** (2013.01 - EP); **F17C 2265/05** (2013.01 - EP); **F17C 2270/0105** (2013.01 - EP); **F17C 2270/0113** (2013.01 - EP); **F17C 2270/0123** (2013.01 - EP)

Cited by

DE102016002316A1; WO2017148571A1; CN108778921A; US8821132B2; US9273675B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1956287 A2 20080813; **EP 1956287 A3 20151209**; CN 101245892 A 20080820; CN 101245892 B 20140924; CN 101245893 A 20080820; CN 101245893 B 20100602; CN 101245897 A 20080820; CN 101245897 B 20100602; CN 103398284 A 20131120; CN 103398284 B 20160810; JP 2008196682 A 20080828; JP 2010261595 A 20101118; KR 100805022 B1 20080220

DOCDB simple family (application)

EP 07007423 A 20070411; CN 200710097460 A 20070429; CN 200710163142 A 20071010; CN 200710163143 A 20071010; CN 201310207114 A 20070429; JP 2007105760 A 20070413; JP 2010130501 A 20100607; KR 20070014405 A 20070212