

Title (en)

DEVICE FOR INERTING A LIQUEFIED GAS STORAGE TANK FOR A SHIP FOR TRANSPORTING THIS GAS

Title (de)

VORRICHTUNG ZUR INERTISIERUNG EINES FLÜSSIGGASSPEICHERTANKS FÜR EIN SCHIFF ZUM TRANSPORT DIESES GASES

Title (fr)

DISPOSITIF D'INERTAGE D'UNE CUVE DE STOCKAGE DE GAZ LIQUEFIE POUR UN NAVIRE DE TRANSPORT DE CE GAZ

Publication

EP 3710741 A1 20200923 (FR)

Application

EP 18799789 A 20181114

Priority

- FR 1760828 A 20171116
- EP 2018081262 W 20181114

Abstract (en)

[origin: WO2019096861A1] A device for inerting a liquefied gas storage tank for a ship for transporting this gas, comprising: - a liquefied gas storage tank (1) insulated by a primary insulation space forming an inner casing around the tank, and a secondary insulation space forming an outer casing around the tank, each of the spaces comprising an insulator and being intended to be filled with an inert gas, said tank being arranged between two sealed partitions (2c) and above a tank bottom (2a), - a drainage box (20) situated under the tank, this box being linked to a passage (22) extending between the tank bottom and the outer casing such that fluids can flow by force of gravity from the tank bottom to the drainage box, - means for supplying nitrogen to the primary and secondary spaces, and/or for discharging nitrogen from these spaces, characterised in that said drainage box is in fluidic communication with said passage and said secondary space, and in that said means for supplying and/or discharging from said secondary space comprise a nitrogen line (30) that is connected to said drainage box such that the nitrogen supplying this space and/or discharged from this space flows through the drainage box.

IPC 8 full level

F17C 1/00 (2006.01); **F17C 13/00** (2006.01)

CPC (source: EP KR RU)

F17C 1/002 (2013.01 - EP KR); **F17C 3/02** (2013.01 - RU); **F17C 13/002** (2013.01 - EP); **F17C 13/004** (2013.01 - KR); **F17C 2201/052** (2013.01 - EP KR); **F17C 2203/0358** (2013.01 - EP KR); **F17C 2205/0332** (2013.01 - EP KR); **F17C 2205/0382** (2013.01 - EP KR); **F17C 2221/014** (2013.01 - EP KR); **F17C 2221/032** (2013.01 - EP KR); **F17C 2221/033** (2013.01 - EP KR); **F17C 2223/0153** (2013.01 - EP KR); **F17C 2223/033** (2013.01 - EP KR); **F17C 2227/0121** (2013.01 - EP KR); **F17C 2227/044** (2013.01 - EP KR); **F17C 2260/037** (2013.01 - EP KR); **F17C 2270/0105** (2013.01 - EP KR); **F17C 2270/0107** (2013.01 - EP KR)

Citation (search report)

See references of WO 2019096861A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

FR 3073601 A1 20190517; **FR 3073601 B1 20191122**; CN 111356873 A 20200630; CN 111356873 B 20220621; EP 3710741 A1 20200923; EP 3710741 B1 20220504; KR 20200088525 A 20200723; RU 2020114666 A 20211216; RU 2020114666 A3 20220111; RU 2770334 C2 20220415; SG 11202004034Y A 20200528; WO 2019096861 A1 20190523

DOCDB simple family (application)

FR 1760828 A 20171116; CN 201880074322 A 20181114; EP 18799789 A 20181114; EP 2018081262 W 20181114; KR 20187036557 A 20181114; RU 2020114666 A 20181114; SG 11202004034Y A 20181114