

Title (en)  
SYSTEM FOR LOADING LIQUID NATURAL GAS

Title (de)  
SYSTEM ZUM LADEN VON FLÜSSIGERDAS

Title (fr)  
SYSTÈME DE CHARGEMENT DE GAZ NATUREL LIQUIDE

Publication  
**EP 4182598 A1 20230524 (FR)**

Application  
**EP 21752075 A 20210713**

Priority  
• FR 2007482 A 20200716  
• FR 2021051302 W 20210713

Abstract (en)  
[origin: CA3185941A1] The present invention relates principally to a sealed and thermally insulating tank for transporting and/or storing liquefied natural gas, comprising at least one load-bearing structure (4) and a storage structure (2) surrounded by the load-bearing structure (4), the storage structure (2) comprising at least one first portion (46) and one second portion (48) that are sealed with respect to one another, the first portion (46) and the second portion (48) extending at least in part in one and the same plane which is parallel to the load-bearing structure (4), the storage structure (2) having a thickness, from the outside to the inside of the tank (1) along a direction perpendicular to the plane of the load-bearing structure (4), the tank (1) comprising a closure device (58) arranged at least in part in the thickness of the storage structure (2), the closure device (58) comprising at least one first closure member and one second closure member that are configured to cooperate with one another so as to separate the first portion (46) from second portion (48), at least one of the closure members comprising a first part and a second part which extend in intersecting planes, characterized in that at least one of the parts of one and/or the other of the closure members is connected to at least one of the portions (46, 48) by a fastening device (84) which is arranged in the thickness of the storage structure (2).

IPC 8 full level  
**F17C 3/02** (2006.01); **F17C 13/06** (2006.01)

CPC (source: EP US)  
**F17C 3/027** (2013.01 - EP US); **F17C 13/06** (2013.01 - EP US); **F17C 2201/0157** (2013.01 - EP US); **F17C 2201/052** (2013.01 - EP); **F17C 2203/0358** (2013.01 - EP US); **F17C 2203/0379** (2013.01 - EP); **F17C 2203/0643** (2013.01 - EP US); **F17C 2203/0651** (2013.01 - EP US); **F17C 2203/0682** (2013.01 - EP); **F17C 2221/033** (2013.01 - EP); **F17C 2221/035** (2013.01 - EP); **F17C 2223/0153** (2013.01 - EP); **F17C 2223/0161** (2013.01 - EP US); **F17C 2223/033** (2013.01 - EP); **F17C 2260/013** (2013.01 - EP); **F17C 2270/0107** (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

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**FR 3112585 A1 20220121**; **FR 3112585 B1 20220902**; CA 3185941 A1 20220120; CN 116057313 A 20230502; EP 4182598 A1 20230524; MX 2023000720 A 20230308; US 2023258299 A1 20230817; WO 2022013497 A1 20220120

DOCDB simple family (application)  
**FR 2007482 A 20200716**; CA 3185941 A 20210713; CN 202180050272 A 20210713; EP 21752075 A 20210713; FR 2021051302 W 20210713; MX 2023000720 A 20210713; US 202118005164 A 20210713