

Title (en)
TANK SYSTEM AND SHIP

Title (de)
TANKSYSTEM UND SCHIFF

Title (fr)
SYSTÈME DE RÉSERVOIR ET NAVIRE

Publication
EP 4059828 A1 20220921 (EN)

Application
EP 20905462 A 20201223

Priority
• JP 2019231720 A 20191223
• JP 2020048258 W 20201223

Abstract (en)

A tank system comprises a tank, a loading pipe, and a pipe pressure resistance part. The tank holds liquefied carbon dioxide. The loading pipe extends in a vertical direction, and a bottom end thereof opens into the tank. The loading pipe discharges the liquefied carbon dioxide, which is supplied from the exterior, into the tank from the bottom end. The pipe pressure resistance part is provided closer to the bottom end of the loading pipe than a pipe top part located at the highest point of the loading pipe. The pipe pressure resistance part produces pressure loss in the liquefied carbon dioxide flowing through the loading pipe.

IPC 8 full level
B63B 25/16 (2006.01); **B65D 90/00** (2006.01); **F17C 5/02** (2006.01)

CPC (source: EP KR)
B63B 25/14 (2013.01 - EP); **B63B 25/16** (2013.01 - KR); **B63B 27/24** (2013.01 - EP KR); **B63B 27/34** (2013.01 - KR);
F17C 5/02 (2013.01 - EP KR); **F17C 13/004** (2013.01 - KR); **B63B 2025/087** (2013.01 - EP); **F17C 13/025** (2013.01 - KR);
F17C 13/04 (2013.01 - KR); **F17C 2201/052** (2013.01 - EP); **F17C 2201/054** (2013.01 - EP); **F17C 2205/0126** (2013.01 - EP);
F17C 2205/013 (2013.01 - EP); **F17C 2205/0352** (2013.01 - EP KR); **F17C 2221/013** (2013.01 - EP KR); **F17C 2223/0153** (2013.01 - EP);
F17C 2223/0161 (2013.01 - EP); **F17C 2223/0192** (2013.01 - EP); **F17C 2223/033** (2013.01 - EP); **F17C 2225/0192** (2013.01 - EP);
F17C 2225/047 (2013.01 - EP); **F17C 2250/03** (2013.01 - EP); **F17C 2250/032** (2013.01 - EP); **F17C 2250/043** (2013.01 - EP);
F17C 2250/0626 (2013.01 - EP); **F17C 2250/0694** (2013.01 - EP); **F17C 2270/0105** (2013.01 - EP KR)

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)

EP 4059828 A1 20220921; EP 4059828 A4 20230104; EP 4059828 B1 20240214; AU 2020415040 A1 20220707; AU 2020415040 B2 20240502;
CN 114846265 A 20220802; CN 114846265 B 20230926; FI 4059828 T3 20240502; JP 2021099143 A 20210701; JP 7221856 B2 20230214;
KR 102688212 B1 20240724; KR 20220101177 A 20220719; WO 2021132381 A1 20210701

DOCDB simple family (application)

EP 20905462 A 20201223; AU 2020415040 A 20201223; CN 202080088605 A 20201223; FI 20905462 T 20201223;
JP 2019231720 A 20191223; JP 2020048258 W 20201223; KR 20227020783 A 20201223