

Title (en)
LIQUEFIED GAS TANK AND SHIP

Title (de)
FLÜSSIGGASTANK UND SCHIFF

Title (fr)
RÉSERVOIR DE GAZ LIQUÉFIÉ ET NAVIRE

Publication
EP 4089313 A4 20230315 (EN)

Application
EP 20919791 A 20201223

Priority
• JP 2020027061 A 20200220
• JP 2020048243 W 20201223

Abstract (en)
[origin: EP4089313A1] A liquefied gas tank comprises: a tank body in the interior of which an accommodation space is formed; an intermediate layer that covers the inner surface of the tank body, the intermediate layer being formed from a heat-blocking material having lower heat conductivity than the tank body; and a thin film layer that covers the inner surface of the intermediate layer, the liquefied gas being capable of being accommodated in a liquid-tight manner on the inner side of the thin film layer.

IPC 8 full level
F17C 3/04 (2006.01); **B65D 90/02** (2006.01); **B65D 90/04** (2006.01)

CPC (source: EP KR)
B63B 25/14 (2013.01 - EP); **B63B 25/16** (2013.01 - EP KR); **F17C 3/025** (2013.01 - EP); **F17C 3/04** (2013.01 - KR); **F17C 13/082** (2013.01 - EP); **B63B 2025/087** (2013.01 - EP); **B63B 2231/04** (2013.01 - KR); **B63B 2231/60** (2013.01 - KR); **F17C 2201/0109** (2013.01 - EP); **F17C 2201/0128** (2013.01 - EP); **F17C 2201/052** (2013.01 - EP KR); **F17C 2203/012** (2013.01 - KR); **F17C 2203/0304** (2013.01 - EP KR); **F17C 2203/0308** (2013.01 - EP); **F17C 2203/0341** (2013.01 - EP); **F17C 2203/0358** (2013.01 - EP); **F17C 2203/0621** (2013.01 - KR); **F17C 2203/0629** (2013.01 - EP); **F17C 2203/0643** (2013.01 - EP KR); **F17C 2203/0646** (2013.01 - EP); **F17C 2203/0651** (2013.01 - EP); **F17C 2203/0678** (2013.01 - EP KR); **F17C 2205/018** (2013.01 - EP); **F17C 2205/0192** (2013.01 - EP); **F17C 2221/013** (2013.01 - EP); **F17C 2221/033** (2013.01 - EP); **F17C 2221/035** (2013.01 - EP); **F17C 2223/0161** (2013.01 - EP); **F17C 2223/033** (2013.01 - EP); **F17C 2223/035** (2013.01 - EP); **F17C 2270/0105** (2013.01 - EP KR); **F17C 2270/0107** (2013.01 - EP)

Citation (search report)
• [X] KR 20150093329 A 20150818 - HYUN DAI HEAVY IND CO LTD [KR]
• [A] JP S525008 A 19770114 - BRIDGESTONE LIQUEFIED GAS CO
• [A] GB 1108045 A 19680327 - BRIDGESTONE LIQUEFIED PETROLEU
• [A] WO 2019098075 A1 20190523 - IHI CORP [JP]

Citation (examination)
• EP 2792589 A1 20141022 - SAMSUNG HEAVY IND [KR]
• See also references of WO 2021166435A1

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)
EP 4089313 A1 20221116; **EP 4089313 A4 20230315**; AU 2020430102 A1 20220811; AU 2020430102 B2 20240725; CN 115038651 A 20220909; CN 115038651 B 20240105; JP 2021131134 A 20210909; JP 7412214 B2 20240112; KR 20220116271 A 20220822; WO 2021166435 A1 20210826

DOCDB simple family (application)
EP 20919791 A 20201223; AU 2020430102 A 20201223; CN 202080095548 A 20201223; JP 2020027061 A 20200220; JP 2020048243 W 20201223; KR 20227024841 A 20201223