

Title (en)
SEALED AND THERMALLY INSULATING TANK

Title (de)
ABGEDICHTETER UND WÄRMEISOLIERENDER TANK

Title (fr)
CUVE ÉTANCHE ET THERMIQUEMENT ISOLANTE

Publication
EP 4226074 A1 20230816 (FR)

Application
EP 21790136 A 20211007

Priority
• FR 2010369 A 20201009
• EP 2021077768 W 20211007

Abstract (en)
[origin: WO2022074148A1] The invention relates to a wall (1) of a sealed and thermally insulating tank for storing a liquefied gas, said wall (1) comprising at least one thermally insulating barrier (6) and a sealed membrane (8) which is anchored to the thermally insulating barrier (6) and is intended to be in contact with the liquefied gas, the thermally insulating barrier (6) comprising a first insulating panel (7) and a second insulating panel (7) disposed along a first edge of the first insulating panel, the first and second insulating panels (7) being provided respectively with at least one first anchoring element (20) and at least one second anchoring element (20), and the sealed membrane (8) being welded to the anchoring elements; the sealed membrane (8) comprises corrugations (17, 18) separated from one another by flat portions (19) and at least one of the flat portions (19) is arranged astride the first and second insulating panels (7) and is welded to the first anchoring element (20) and to the second anchoring element (20).

IPC 8 full level
F17C 3/02 (2006.01); **F17C 13/00** (2006.01)

CPC (source: EP KR)
F17C 3/027 (2013.01 - EP KR); **F17C 13/004** (2013.01 - EP KR); **F17C 2201/0157** (2013.01 - EP KR); **F17C 2201/052** (2013.01 - EP KR); **F17C 2203/0358** (2013.01 - EP KR); **F17C 2203/0643** (2013.01 - EP KR); **F17C 2209/221** (2013.01 - EP KR); **F17C 2221/033** (2013.01 - EP KR); **F17C 2223/0161** (2013.01 - EP KR); **F17C 2223/033** (2013.01 - EP KR); **F17C 2260/011** (2013.01 - EP KR); **F17C 2270/0107** (2013.01 - EP KR)

Citation (search report)
See references of WO 2022074148A1

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 3115093 A1 20220415; **FR 3115093 B1 20230428**; CN 116324261 A 20230623; EP 4226074 A1 20230816; JP 2023544835 A 20231025; KR 20230079225 A 20230605; WO 2022074148 A1 20220414

DOCDB simple family (application)
FR 2010369 A 20201009; CN 202180069055 A 20211007; EP 2021077768 W 20211007; EP 21790136 A 20211007; JP 2023521508 A 20211007; KR 20237015465 A 20211007