

Title (en)
SEALED AND THERMALLY INSULATING TANK

Title (de)
ABGEDICHTETER UND WÄRMEISOLIERENDER TANK

Title (fr)
CUVE ÉTANCHE ET THERMIQUEMENT ISOLANTE

Publication
EP 4237740 A1 20230906 (FR)

Application
EP 21793972 A 20211027

Priority
• FR 2011105 A 20201029
• EP 2021079883 W 20211027

Abstract (en)
[origin: WO2022090341A1] The invention relates to a sealed and thermally insulating tank comprising a thermally insulating barrier and a sealing membrane, the tank comprising a channel (29) extending in a longitudinal direction along the sealing membrane, the thermally insulating barrier forming a bottom (36) of the channel (29), the tank further comprising a closure member (30) comprising a flexible film, the flexible film comprising a first fastening zone (31, 33) extending transversely to the longitudinal direction of the channel (29) and fastened to the bottom (36) of the channel (29), a second fastening zone (32) extending transversely to the longitudinal direction of the channel (29) and fastened to the sealing membrane, the flexible film comprising a closure portion (34, 35) interposed between the first fastening zone (31, 33) and the second fastening zone (32), the closure portion (34, 35) closing the channel (29) in such a way as to create a loss of pressure in the channel.

IPC 8 full level
F17C 3/02 (2006.01)

CPC (source: EP KR US)
B63B 25/16 (2013.01 - KR US); **B63B 27/24** (2013.01 - KR); **B63B 27/34** (2013.01 - KR US); **F17C 3/027** (2013.01 - EP KR US); **F17C 2201/0157** (2013.01 - EP KR); **F17C 2201/052** (2013.01 - EP KR); **F17C 2203/0358** (2013.01 - EP KR US); **F17C 2203/0651** (2013.01 - EP KR); **F17C 2221/033** (2013.01 - EP KR US); **F17C 2223/0161** (2013.01 - EP KR US); **F17C 2223/033** (2013.01 - EP KR); **F17C 2260/033** (2013.01 - EP KR US); **F17C 2270/0107** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2022090341A1

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)
WO 2022090341 A1 20220505; CN 116457604 A 20230718; EP 4237740 A1 20230906; FR 3115854 A1 20220506; FR 3115854 B1 20221104; KR 20230093040 A 20230626; US 2023392751 A1 20231207

DOCDB simple family (application)
EP 2021079883 W 20211027; CN 202180074056 A 20211027; EP 21793972 A 20211027; FR 2011105 A 20201029; KR 20237017558 A 20211027; US 202118034127 A 20211027