

Title (en)
SEALED, THERMALLY-INSULATING VESSEL

Title (de)
ABGEDICHTETER WÄRMEISOLIERENDER BEHÄLTER

Title (fr)
CUVE ETANCHE ET THERMIQUEMENT ISOLANTE

Publication
EP 2739895 B1 20170927 (FR)

Application
EP 12744110 A 20120726

Priority
• FR 1157024 A 20110801
• FR 2012051768 W 20120726

Abstract (en)
[origin: WO2013017781A1] The invention relates to a sealed, thermally-insulating tank for containing LNG, comprising two sealed barriers and two insulating barriers (2, 4), wherein the secondary insulating barrier (2) comprises a first set of thermally insulating elements (11) juxtaposed so as to form a first layer, and a second set of thermally insulating elements (10) juxtaposed so as to form a second layer located between the first layer and the supporting structure. Each of the thermally insulating elements (11) of the first layer comprises a casing filled with an insulating lining essentially consisting of inorganic wool, organic wool, low-density (less than 50 kg /m3) polymeric foam, or an aerogel. Each of the thermally insulating elements (10) of the second layer comprises a block of high-density polymeric foam.

IPC 8 full level
F17C 3/02 (2006.01)

CPC (source: EP KR)
B63B 25/16 (2013.01 - KR); **F17C 3/027** (2013.01 - EP KR); **F17C 2201/0157** (2013.01 - EP KR); **F17C 2201/052** (2013.01 - EP KR); **F17C 2203/0329** (2013.01 - EP KR); **F17C 2203/0333** (2013.01 - EP KR); **F17C 2203/0354** (2013.01 - EP KR); **F17C 2203/0358** (2013.01 - EP KR); **F17C 2205/0355** (2013.01 - EP KR); **F17C 2209/227** (2013.01 - EP KR); **F17C 2221/033** (2013.01 - EP KR); **F17C 2223/0161** (2013.01 - EP); **F17C 2223/033** (2013.01 - EP); **F17C 2260/033** (2013.01 - EP); **F17C 2270/0107** (2013.01 - EP); **F17C 2270/0113** (2013.01 - EP); **F17C 2270/0123** (2013.01 - EP); **F17C 2270/0136** (2013.01 - EP)

Cited by
CN111417816A; WO2019108344A1

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

DOCDB simple family (publication)
WO 2013017781 A1 20130207; AU 2012291901 A1 20140306; AU 2012291901 B2 20151029; CN 103748401 A 20140423; CN 103748401 B 20151125; EP 2739895 A1 20140611; EP 2739895 B1 20170927; ES 2647100 T3 20171219; FR 2978748 A1 20130208; FR 2978748 B1 20141024; JP 2014524547 A 20140922; JP 6356602 B2 20180711; KR 101863989 B1 20180705; KR 20140050705 A 20140429

DOCDB simple family (application)
FR 2012051768 W 20120726; AU 2012291901 A 20120726; CN 201280037642 A 20120726; EP 12744110 A 20120726; ES 12744110 T 20120726; FR 1157024 A 20110801; JP 2014523362 A 20120726; KR 20147005534 A 20120726