

Title (en)

SEALED AND THERMALLY INSULATING TANK WALL COMPRISING SPACED-APART SUPPORT ELEMENTS

Title (de)

ABGEDICHTETE UND WÄRMEISOLIERENDE BEHÄLTERWAND MIT BEABSTANDETEN STÜTZELEMENTEN

Title (fr)

PAROI DE CUVE ETANCHE ET THERMIQUEMENT ISOLANTE COMPORTANT DES ELEMENTS PORTEURS ESPACES

Publication

EP 2880356 B1 20181121 (FR)

Application

EP 13756578 A 20130718

Priority

- FR 1257608 A 20120803
- FR 2013051747 W 20130718

Abstract (en)

[origin: WO2014020257A2] A sealed and thermally insulating tank incorporated into a load-bearing structure, in which a tank wall comprises: a load-bearing wall (1), a secondary thermal insulation barrier (2), consisting of a plurality of secondary insulating elements (6), a primary thermal insulation barrier (4) consisting of a plurality of primary insulating elements (7) and a sealing barrier, each primary and secondary insulating element comprising: an insulating lining (35) and a plurality of load-bearing elements (40, 28, 37) passing through the insulating lining, a panel (17, 34) parallel to the tank wall arranged at one end of the load-bearing elements of the insulating element, in which a panel of the primary or secondary insulating element is arranged between the primary and secondary load-bearing elements, at least one primary load-bearing element (28, 40) of the plurality of primary load-bearing elements being spaced apart from the underlying load-bearing elements (37), in a projection view in a plane parallel to the tank wall.

IPC 8 full level

F17C 3/02 (2006.01)

CPC (source: EP KR)

F17C 1/12 (2013.01 - KR); **F17C 3/027** (2013.01 - EP); **F17C 2201/0157** (2013.01 - EP); **F17C 2201/052** (2013.01 - EP); **F17C 2203/0325** (2013.01 - EP); **F17C 2203/0333** (2013.01 - EP); **F17C 2203/0354** (2013.01 - EP); **F17C 2203/0358** (2013.01 - EP); **F17C 2203/0379** (2013.01 - EP); **F17C 2203/0631** (2013.01 - EP); **F17C 2203/0651** (2013.01 - EP KR); **F17C 2203/0682** (2013.01 - EP KR); **F17C 2205/0364** (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 2260/038** (2013.01 - EP KR); **F17C 2270/0107** (2013.01 - EP KR); **F17C 2270/0113** (2013.01 - EP KR); **F17C 2270/0136** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI 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 2014020257 A2 20140206; **WO 2014020257 A3 20140501**; AU 2013298366 A1 20150305; AU 2013298366 B2 20160721; CN 104508347 A 20150408; CN 104508347 B 20160608; EP 2880356 A2 20150610; EP 2880356 B1 20181121; EP 2880356 B8 20190102; FR 2994245 A1 20140207; FR 2994245 B1 20150529; JP 2015528884 A 20151001; JP 6305403 B2 20180404; KR 102012351 B1 20190820; KR 20150038546 A 20150408; MY 182705 A 20210203; SG 11201500728V A 20150330

DOCDB simple family (application)

FR 2013051747 W 20130718; AU 2013298366 A 20130718; CN 201380041364 A 20130718; EP 13756578 A 20130718; FR 1257608 A 20120803; JP 2015524824 A 20130718; KR 20157005445 A 20130718; MY PI2015700322 A 20130718; SG 11201500728V A 20130718