

Title (en)

METHOD FOR PRODUCING A SEALED AND THERMALLY INSULATING BARRIER FOR A STORAGE TANK

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER DICHTEN UND WÄRMEISOLIERENDEN SPERRSCHICHT FÜR LAGERTANK

Title (fr)

PROCEDE DE FABRICATION D'UNE BARRIERE ETANCHE ET THERMIQUEMENT ISOLANTE POUR CUVE DE STOCKAGE

Publication

EP 2959207 B1 20190220 (FR)

Application

EP 14711816 A 20140221

Priority

- FR 1351569 A 20130222
- FR 2014050358 W 20140221

Abstract (en)

[origin: WO2014128414A1] The invention concerns a method for producing a sealed and thermally insulating wall for a fluid storage tank comprising the steps of: attaching a plurality of anchoring elements (1) to a load-bearing structure (2); installing modular formwork elements (3) on the load-bearing structure (2), the modular formwork elements (3) having a shape that protrudes relative to the load-bearing structure (2) and defining, with the load-bearing structure (2) and the plurality of anchoring parts (1), compartments (4) having an open side opposite the load-bearing structure (2); spraying insulating foam into said compartments (4) through the open side so as to form a plurality of insulating sectors (5) made from sprayed insulating foam; arranging insulating junction elements (8) in a constrained position in which they are constrained between said insulating sectors (5) and are capable of expanding in case of thermal contraction of said insulating sectors (5), in order to ensure the continuity of the thermal insulation; and attaching a sealing membrane to said anchoring elements (1).

IPC 8 full level

F17C 3/02 (2006.01)

CPC (source: EP RU US)

B63B 27/34 (2013.01 - US); **F17C 3/02** (2013.01 - RU); **F17C 3/027** (2013.01 - EP US); **F17C 13/001** (2013.01 - US); **F17D 1/082** (2013.01 - US); **F17C 2201/0157** (2013.01 - EP US); **F17C 2201/052** (2013.01 - EP US); **F17C 2203/0329** (2013.01 - EP US); **F17C 2203/0333** (2013.01 - EP US); **F17C 2203/0354** (2013.01 - EP US); **F17C 2203/0631** (2013.01 - EP US); **F17C 2209/225** (2013.01 - EP US); **F17C 2209/228** (2013.01 - EP US); **F17C 2209/232** (2013.01 - EP US); **F17C 2221/033** (2013.01 - EP US); **F17C 2223/0161** (2013.01 - EP US); **F17C 2223/033** (2013.01 - EP US); **F17C 2260/013** (2013.01 - EP US); **F17C 2270/0107** (2013.01 - EP US); **F17C 2270/0113** (2013.01 - EP US); **F17C 2270/0136** (2013.01 - EP US); **Y10T 29/49995** (2015.01 - EP US)

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 2014128414 A1 20140828; AU 2014220530 A1 20150827; AU 2014220530 B2 20161222; BR 112015019428 A2 20170718; CA 2899566 A1 20140828; CA 2899566 C 20200609; CN 105026819 A 20151104; CN 105026819 B 20170919; EP 2959207 A1 20151230; EP 2959207 B1 20190220; FR 3002514 A1 20140829; FR 3002514 B1 20161021; KR 102173668 B1 20201103; KR 20150122716 A 20151102; MY 173438 A 20200124; RU 2015136058 A 20170330; RU 2649168 C2 20180330; SG 11201506306T A 20150929; US 10317012 B2 20190611; US 2015369428 A1 20151224

DOCDB simple family (application)

FR 2014050358 W 20140221; AU 2014220530 A 20140221; BR 112015019428 A 20140221; CA 2899566 A 20140221; CN 201480010173 A 20140221; EP 14711816 A 20140221; FR 1351569 A 20130222; KR 20157026166 A 20140221; MY PI2015702738 A 20140221; RU 2015136058 A 20140221; SG 11201506306T A 20140221; US 201414767222 A 20140221