

Title (en)

SEALED AND INSULATING VESSEL COMPRISING A DEFLECTION ELEMENT ALLOWING THE FLOW OF GAS AT A CORNER

Title (de)

ABGEDICHTETER UND ISOLIERTER KESSEL MIT ABLENKELEMENT ZUR ERMÖGLICHUNG DES GASSTROMS AN EINER ECKE

Title (fr)

CUVE ÉTANCHE ET ISOLANTE COMPORTANT UN ÉLÉMENT DE DÉFLEXION PERMETTANT L'ÉCOULEMENT DE GAZ AU NIVEAU D'UN ANGLE

Publication

EP 3114387 B1 20171115 (FR)

Application

EP 15709264 A 20150217

Priority

- FR 1451771 A 20140304
- FR 2015050380 W 20150217

Abstract (en)

[origin: WO2015132498A1] The invention concerns a sealed and thermally insulating vessel for storing a fluid, comprising a thermally insulating barrier comprising: a plurality of insulating elements disposed along the walls of the vessel, arranged to allow the flow of fluid, such as a gas, within said thermally insulating barrier; and a corner arrangement, disposed at the intersection between first and second walls (3, 4) of the vessel, the corner arrangement comprising: a deflection element (19) comprising a first face (20a) facing the supporting structure of the second wall (4), a second face (20b) facing the supporting structure of the first wall (3) and a plurality of curved channels (21) extending between the first face (20a) and the second face (20b) of the deflexion element (19) to allow the flow of fluid, such as a gas, through the corner arrangement, the plurality of curved channels (21) comprising at least a series of curved channels spaced apart from each other in the thickness direction of the walls (3, 4) of the vessel.

IPC 8 full level

F17C 3/02 (2006.01)

CPC (source: CN EP KR)

F17C 1/00 (2013.01 - CN); **F17C 1/002** (2013.01 - CN); **F17C 1/12** (2013.01 - CN); **F17C 3/027** (2013.01 - EP KR); **F17C 13/00** (2013.01 - CN); **F17C 13/001** (2013.01 - CN); **F17C 13/002** (2013.01 - CN); **F17C 2201/0157** (2013.01 - EP KR); **F17C 2201/052** (2013.01 - EP); **F17C 2203/0325** (2013.01 - EP KR); **F17C 2203/0333** (2013.01 - EP KR); **F17C 2203/035** (2013.01 - EP KR); **F17C 2203/0358** (2013.01 - EP KR); **F17C 2203/0379** (2013.01 - EP KR); **F17C 2203/0391** (2013.01 - EP KR); **F17C 2203/0631** (2013.01 - EP KR); **F17C 2203/0651** (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 2260/037** (2013.01 - EP); **F17C 2260/038** (2013.01 - EP); **F17C 2270/0107** (2013.01 - EP)

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 2015132498 A1 20150911; AU 2015226021 A1 20160908; AU 2015226021 B2 20190328; CN 106164564 A 20161123; CN 106164564 B 20180327; EP 3114387 A1 20170111; EP 3114387 B1 20171115; FR 3018338 A1 20150911; FR 3018338 B1 20160325; JP 2017512284 A 20170518; JP 6496748 B2 20190403; KR 102285763 B1 20210804; KR 20160146667 A 20161221

DOCDB simple family (application)

FR 2015050380 W 20150217; AU 2015226021 A 20150217; CN 201580011034 A 20150217; EP 15709264 A 20150217; FR 1451771 A 20140304; JP 2016553803 A 20150217; KR 20167024955 A 20150217