

Title (en)  
SELF-SUPPORTING CASE FOR THERMALLY INSULATING A FLUID STORAGE TANK AND METHOD FOR PRODUCING SUCH A CASE

Title (de)  
SELBSTTRAGENDES GEHÄUSE ZUR THERMISCHEN ISOLIERUNG EINES FLÜSSIGKEITSBEHÄLTERS UND VERFAHREN ZUR HERSTELLUNG DES GEHÄUSES

Title (fr)  
CAISSE AUTOPORTEUSE POUR L'ISOLATION THERMIQUE D'UNE CUVE DE STOCKAGE D'UN FLUIDE ET PROCEDE DE FABRICATION D'UNE TELLE CAISSE

Publication  
**EP 3004718 B1 20171115 (FR)**

Application  
**EP 14731309 A 20140523**

Priority  
• FR 1355271 A 20130607  
• FR 2014051211 W 20140523

Abstract (en)  
[origin: WO2014195602A2] The invention relates to a method of manufacturing a self-supporting case (3, 7) intended to provide thermal insulation for a tank, with a fluid tight membrane, for storing a fluid, said method involving: a step of supplying a bottom panel (10) and a cover panel (11); a step of manufacturing a plurality of bearing walls (14), said step of manufacturing involving, for each bearing wall (14): o arranging in a mould a composite material comprising a fibre reinforced thermoplastic matrix; o inserting fixings inside the mould; o forming the composite material (14), during which forming the fixings are set in the mass of said bearing wall (14), interposing the bearing walls (14) between the bottom panel (10) and the cover panel (11) in such a way that the bottom panel (10) and the cover panel (11) are spaced apart in a thickness direction of the case (3, 7) and that the bearing walls (14) extend in the thickness direction, and fixing the bearing walls (14) to the bottom panel (10) and/or to the cover panel (14) using said fixings, lining the plurality of compartments (15) formed between the bearing walls (14) with an insulating lining. The invention also relates to a case thus manufactured and to a sealed and thermally insulating tank comprising a thermal insulation barrier comprising a plurality of cases as mentioned hereinabove.

IPC 8 full level  
**F17C 3/02** (2006.01)

CPC (source: EP)  
**F17C 3/027** (2013.01); **F17C 2201/0157** (2013.01); **F17C 2201/052** (2013.01); **F17C 2203/0325** (2013.01); **F17C 2203/0329** (2013.01); **F17C 2203/0333** (2013.01); **F17C 2203/0341** (2013.01); **F17C 2203/035** (2013.01); **F17C 2203/0354** (2013.01); **F17C 2203/0358** (2013.01); **F17C 2203/0631** (2013.01); **F17C 2203/0651** (2013.01); **F17C 2209/225** (2013.01); **F17C 2209/227** (2013.01); **F17C 2209/228** (2013.01); **F17C 2209/238** (2013.01); **F17C 2221/033** (2013.01); **F17C 2223/0161** (2013.01); **F17C 2223/033** (2013.01); **F17C 2260/013** (2013.01); **F17C 2270/0107** (2013.01); **F17C 2270/0113** (2013.01); **F17C 2270/0123** (2013.01)

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 2014195602 A2 20141211; WO 2014195602 A3 20150604**; AU 2014276717 A1 20151224; AU 2014276717 B2 20180329; CN 105393043 A 20160309; CN 105393043 B 20180330; EP 3004718 A2 20160413; EP 3004718 B1 20171115; FR 3006662 A1 20141212; FR 3006662 B1 20150529; JP 2016524678 A 20160818; JP 6333363 B2 20180530; KR 102276637 B1 20210713; KR 20160017056 A 20160215

DOCDB simple family (application)  
**FR 2014051211 W 20140523**; AU 2014276717 A 20140523; CN 201480032339 A 20140523; EP 14731309 A 20140523; FR 1355271 A 20130607; JP 2016517651 A 20140523; KR 20167000221 A 20140523