

Title (en)
SELF-SUPPORTING BOX STRUCTURE FOR THE THERMAL INSULATION OF A FLUID STORAGE TANK

Title (de)
SELBSTTRAGENDE KASTENSTRUKTUR ZUR WÄRMEISOLIERUNG EINES FLÜSSIGKEITSTANKS

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

Publication
EP 3074690 B1 20170906 (FR)

Application
EP 14809468 A 20141106

Priority

- FR 1361866 A 20131129
- FR 2014052825 W 20141106

Abstract (en)
[origin: WO2015079135A1] The invention relates to a self-supporting insulating box structure (3, 7) intended for the thermal insulation of a fluid storage tank, comprising: - a bottom panel (10) and a top panel (11) which are spaced apart in a thickness direction of the box structure; - bearers (13) interposed between said bottom panel (10) and top panel (11) and each comprising a bottom foot (15), a top foot (16) and a pillar (14) and extending in the thickness direction of the box structure between the bottom foot (15) and the top foot (16); and - an insulating packing (17) arranged between the bearers (13); in which box structure the feet (15, 16) each comprise: - a load-spreading sole (17); and - anti-topple ribs (20) uniformly distributed at the periphery of the foot (15, 16) and arranged so as to absorb load applied to the bearer (13) transversely to the thickness direction of the box structure and transmitted to the load-spreading sole (17).

IPC 8 full level
F17C 3/02 (2006.01)

CPC (source: EP KR RU)
B65D 25/24 (2013.01 - RU); **F17C 3/027** (2013.01 - EP KR RU); **F17C 3/04** (2013.01 - RU); **F17C 2201/0157** (2013.01 - EP KR); **F17C 2201/052** (2013.01 - EP KR); **F17C 2203/0325** (2013.01 - EP KR); **F17C 2203/0329** (2013.01 - EP KR); **F17C 2203/0341** (2013.01 - EP KR); **F17C 2203/035** (2013.01 - EP); **F17C 2203/0358** (2013.01 - EP); **F17C 2203/0631** (2013.01 - EP); **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 2270/0107** (2013.01 - EP KR)

Cited by
CN106272749A

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 2015079135 A1 20150604; AU 2014356315 A1 20160602; AU 2014356315 B2 20180726; CN 105874261 A 20160817; CN 105874261 B 20180601; EP 3074690 A1 20161005; EP 3074690 B1 20170906; ES 2644459 T3 20171129; FR 3014085 A1 20150605; FR 3014085 B1 20171229; JP 2017503121 A 20170126; JP 6622201 B2 20191218; KR 102277805 B1 20210715; KR 20160093634 A 20160808; MY 179125 A 20201028; PH 12016500892 A1 20160620; PH 12016500892 B1 20160620; RU 2666377 C1 20180907

DOCDB simple family (application)
FR 2014052825 W 20141106; AU 2014356315 A 20141106; CN 201480062712 A 20141106; EP 14809468 A 20141106; ES 14809468 T 20141106; FR 1361866 A 20131129; JP 2016532540 A 20141106; KR 20167015117 A 20141106; MY PI2016701795 A 20141106; PH 12016500892 A 20160513; RU 2016119107 A 20141106