

Title (en)

FLEXIBLE TANK FOR A SHIPPING CONTAINER

Title (de)

FLEXIBLER BEHÄLTER FÜR EINEN TRANSPORTBEHÄLTER

Title (fr)

RÉSERVOIRE SOUPLE POUR UN CONTENEUR D'EXPÉDITION

Publication

EP 3814248 A4 20220126 (EN)

Application

EP 19825641 A 20190830

Priority

- US 2019049131 W 20190830
- US 201862692679 P 20180630

Abstract (en)

[origin: WO2020006582A2] A flexible tank is used to transport liquids or semi-liquid material in a shipping container on a railroad car. It has an inner tank and at least one end closure with alternating interlaced hollow loops from two separate exterior layers. A nylon rope or similar securing element is passed through the hollow loops to use the exterior layers in an end closure to constrain the inner tank. An end flap may be welded to an exterior layer and positioned between the inner tank and the end closure. The hollow loops may be formed by folding over the exterior layers and cutting out complementary portions so the loops are in an alternating interlaced pattern. Capacity bands located around the periphery of the flexible tank suppress expansion of the flexible tank at their respective locations.

IPC 8 full level

B65D 88/22 (2006.01); **B65D 88/16** (2006.01); **B65D 90/00** (2006.01)

CPC (source: EP US)

B65D 88/1606 (2013.01 - EP US); **B65D 90/004** (2013.01 - EP US)

Citation (search report)

- [A] US 2002030055 A1 20020314 - MATURANA JAVIER URZUA [CL]
- [A] US 2010147728 A1 20100617 - GUILLES MELVIN [US], et al
- [A] JP H06191590 A 19940712 - EE P S KK
- [A] WO 2018070954 A2 20180419 - LIKUA ENDUSTRIYEL AMBALAJ MALZM SAN VE TIC LTD STI [TR]
- See also references of WO 2020006582A2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020006582 A2 20200102; **WO 2020006582 A3 20200312**; CA 3105181 A1 20200102; CN 112789229 A 20210511; EP 3814248 A2 20210505; EP 3814248 A4 20220126; SG 11202013109T A 20210128; US 2021362942 A1 20211125

DOCDB simple family (application)

US 2019049131 W 20190830; CA 3105181 A 20190830; CN 201980044600 A 20190830; EP 19825641 A 20190830; SG 11202013109T A 20190830; US 201917257230 A 20190830