

Title (en)
Multi compartment collapsible tank

Title (de)
Zusammenklappbarer Behälter mit mehreren Kammern

Title (fr)
Réservoir flexible à plusieurs compartiments

Publication
EP 1657186 A1 20060517 (EN)

Application
EP 05256918 A 20051108

Priority
US 90446504 A 20041111

Abstract (en)
A collapsible tank (10) comprises a flexible unitary container (12) having an inner surface (14) and an outer surface (16) and a flexible partial container (22) having an inner surface (24) and an outer surface (26). The inner surface of the unitary container defines a first compartment (18) for storing a first fluid. The partial container is mounted to the unitary container to divide the unitary container into a first portion (12A) and a second portion (12B) and to form a second compartment (28) between the inner surface of the partial container and the outer surface of the second portion of the unitary container to store a second fluid. The second portion of the unitary container is flexible and movable relative to the first portion of the unitary container and the partial container to reciprocally change the relative volumes of the first and the second compartments.

IPC 8 full level
B65D 88/16 (2006.01); **B65D 88/62** (2006.01)

CPC (source: EP US)
B65D 88/16 (2013.01 - EP US); **B65D 88/62** (2013.01 - EP US)

Citation (search report)

- [X] FR 2815021 A1 20020412 - EUROLINERS [FR]
- [XA] FR 2375113 A1 19780721 - BAT APPLIC REVETEMENTS PLASTIQ [FR]
- [X] JP S57194977 A 19821130 - YOKOHAMA RUBBER CO LTD
- [A] GB 794125 A 19580430 - FIREPROOF TANKS LTD
- [A] US 5199793 A 19930406 - JACKSON CHAD S [US]
- [A] US 3453164 A 19690701 - GURSKY LADISLAV A, et al

Cited by
CN103153820A; CN104302560A; EP3815573A1; IT201900020226A1; US9663290B2; WO2013082589A1; WO2008135277A1; WO2011051754A1; WO2009144235A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1657186 A1 20060517; ES 2264408 T1 20070101; US 2006096990 A1 20060511

DOCDB simple family (application)
EP 05256918 A 20051108; ES 05256918 T 20051108; US 90446504 A 20041111