

Title (en)

TANK FOR A LIQUID COMPRISING A RIGID FRAME AND A FLEXIBLE HOUSING RESTING ON THE GROUND, THE CENTER OF GRAVITY OF WHICH CAN BE RAISED ABOVE THE GROUND, AND THE MAXIMUM CAPACITY OF WHICH IS VARIABLE

Title (de)

TANK FÜR EINE FLÜSSIGKEIT MIT EINEM STARREN RAHMEN UND EINEM FLEXIBLEN GEHÄUSE, DAS AUF DEM BODEN STEHT, DESSEN SCHWERKRAFTSZENTRUM ÜBER DEN BODEN ANGEHOBBEN WERDEN KANN UND DESSEN MAXIMALES FASSUNGSVERMÖGEN VARIABEL IST

Title (fr)

RESERVOIR POUR LIQUIDE COMPORTANT UNE ARMATURE RIGIDE ET UNE ENVELOPPE SOUPLE REPOSANT SUR LE SOL, DONT LE CENTRE DE GRAVITE PEUT ETRE ELEVE AU DESSUS DU SOL, DONT LA CAPACITE MAXIMALE EST VARIABLE

Publication

EP 2432712 A1 20120328 (FR)

Application

EP 10723635 A 20100429

Priority

- FR 2010000335 W 20100429
- FR 0902474 A 20090520

Abstract (en)

[origin: WO2010133775A1] The invention relates to a device for storing a liquid in a sealed flexible housing which is easy to install on the ground, the maximum capacity of which is variable, and the center of gravity of the liquid column of which can be safely raised above the ground at different heights. The device consists of a rigid supporting frame capable of being dismantled and comprising a single vertically stable strong technical pylon (1) that bears most of the weight of the liquid contained in the sealed cylindrical flexible housing by means of two ferrules horizontally secured to the latter and the heights of which are adjustable. The lower ferrule serves as a base for supporting the liquid column contained in the flexible housing and reduces the volume thereof when it is adjusted to a high position on the pylon (1). The upper ferrule is fixed and makes it possible to maintain the cylindrical shape of the flexible housing in the higher portion thereof which receives two specific half-ferrules on the inner circumference thereof. Four vertical stiffeners with small cross-sections connect the two ferrules together. The pylon (1) and stiffener assembly is connected to a base (6) comprising four legs (8), the heights of which are adjustable and which are offset relative to the horizontal cross-section of the flexible housing.

IPC 8 full level

B65D 90/20 (2006.01); **B65D 77/06** (2006.01)

CPC (source: EP US)

B65D 77/06 (2013.01 - EP US); **B65D 90/205** (2013.01 - EP US)

Citation (search report)

See references of WO 2010133775A1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010133775 A1 20101125; AU 2010251076 A1 20120112; AU 2010251076 B2 20141009; CA 2763549 A1 20101125; CA 2763549 C 20150915; EP 2432712 A1 20120328; EP 2432712 B1 20140618; FR 2945799 A1 20101126; FR 2945799 B1 20110520; US 2012168437 A1 20120705

DOCDB simple family (application)

FR 2010000335 W 20100429; AU 2010251076 A 20100429; CA 2763549 A 20100429; EP 10723635 A 20100429; FR 0902474 A 20090520; US 201013263263 A 20100429