

Title (en)
A CONTAINER APPARATUS FOR STORING AND DISPENSING LIQUID

Title (de)
BEHÄLTERVORRICHTUNG ZUM LAGERN UND AUSGEBEN VON FLÜSSIGKEIT

Title (fr)
SYSTÈME DE CONTENEUR POUR CONSERVER ET DISTRIBUER DU LIQUIDE

Publication
EP 1879830 A4 20080723 (EN)

Application
EP 06721820 A 20060419

Priority
• CA 2006000573 W 20060419
• US 67242405 P 20050419

Abstract (en)
[origin: WO2006110995A1] This invention relates to a pump and container apparatus having a pump. The container apparatus has a container housing and a foot pump means for pumping liquid connected to the container housing. The container housing has a storage chamber for storing liquid and an opening through which liquid is added into the storage chamber. The foot pump means has a chamber wall defining a pump chamber with an pump chamber entrance opening and a pump chamber exit opening. The container housing has an exit opening in fluid communication with the pump chamber entrance opening to permit liquid in the storage chamber to be drawn and pumped into the pump chamber through the pump chamber entrance opening and out of the pump chamber through the pump chamber exit opening by operation of the foot pump means. There is a valve means comprising a one-way check valve mounted between the storage chamber and the pump chamber to permit operation of the foot pump means when the storage chamber is under atmospheric pressure, there being an air means to permit the drawing of air into the storage chamber as liquid is being pumped out of the storage chamber by use of the foot pump means.

IPC 8 full level
B67D 7/00 (2010.01); **B67D 7/36** (2010.01); **B67D 7/60** (2010.01); **F04B 33/00** (2006.01); **F04B 43/00** (2006.01)

CPC (source: EP US)
B67D 7/00 (2013.01 - EP US); **B67D 7/0205** (2013.01 - EP US); **B67D 7/04** (2013.01 - EP US); **B67D 7/60** (2013.01 - EP US);
B67D 7/845 (2013.01 - EP US); **F04B 9/14** (2013.01 - EP US); **F04B 23/025** (2013.01 - EP US); **F04B 43/084** (2013.01 - EP US)

Citation (search report)
• [XY] US 1564617 A 19251208 - PEPPER BYRON J
• [Y] US 5810213 A 19980922 - FLORES SALVADOR [US], et al
• [XY] GB 2033470 A 19800521 - BERELSON R
• [PX] WO 2006026860 A1 20060316 - 1275687 ONTARIO LTD [CA], et al
• [A] WO 0055052 A2 20000921 - FIELDS KENT P [US], et al
• See references of WO 2006110995A1

Cited by
CN108128542A

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)
WO 2006110995 A1 20061026; AU 2006238359 A1 20061026; CA 2633865 A1 20061026; EP 1879830 A1 20080123; EP 1879830 A4 20080723; NZ 563422 A 20110331; US 2006255069 A1 20061116

DOCDB simple family (application)
CA 2006000573 W 20060419; AU 2006238359 A 20060419; CA 2633865 A 20060419; EP 06721820 A 20060419; NZ 56342206 A 20060419; US 40637506 A 20060419