

Title (en)

DEVICE FOR DISPENSING SEVERAL FLUIDS COMPRISING AT LEAST TWO FLEXIBLE BAGS AND TWO PUMPS

Title (de)

VORRICHTUNG ZUR ABGABE VON MEHREREN FLUIDEN MIT MINDESTENS ZWEI FLEXIBLEN BEUTELN UND ZWEI PUMPEN

Title (fr)

DISPOSITIF DE DISTRIBUTION DE PLUSIEURS FLUIDES COMPORTANT AU MOINS DEUX POCHE SOUTES ET DEUX POMPES.

Publication

**EP 1513617 A1 20050316 (FR)**

Application

**EP 03760049 A 20030617**

Priority

- FR 0301830 W 20030617
- FR 0207487 A 20020618

Abstract (en)

[origin: US2005211724A1] A device for packaging and dispensing several fluid products is described. The device includes at least two sealed flexible gags arranged in a single rigid container, associated with at least one pump, the rigid container consisting of an open cylinder and the bags are provided each with a pump and a push button, and are mounted opposite on each of the two opposite openings of the cylinder. The device is applicable to appliances containing fluids to be dispensed independently of one another.

IPC 1-7

**B05B 11/00**

IPC 8 full level

**B65D 81/32** (2006.01); **B05B 11/00** (2006.01); **B65D 83/76** (2006.01)

CPC (source: EP KR US)

**B05B 11/026** (2023.01 - EP US); **B05B 11/1085** (2023.01 - EP US); **B65D 47/00** (2013.01 - KR); **B65D 83/00** (2013.01 - KR)

Citation (search report)

See references of WO 03106044A1

Cited by

GB2493923A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**US 2005211724 A1 20050929; US 7770755 B2 20100810;** AT E387261 T1 20080315; AU 2003260594 A1 20031231; CA 2484552 A1 20031224; CA 2484552 C 20111129; CN 100479924 C 20090422; CN 1665600 A 20050907; DE 60319374 D1 20080410; DE 60319374 T2 20090219; EP 1513617 A1 20050316; EP 1513617 B1 20080227; ES 2298572 T3 20080516; FR 2840888 A1 20031219; FR 2840888 B1 20040910; JP 2005529805 A 20051006; KR 100977852 B1 20100825; KR 20050012270 A 20050131; WO 03106044 A1 20031224

DOCDB simple family (application)

**US 51600104 A 20041129;** AT 03760049 T 20030617; AU 2003260594 A 20030617; CA 2484552 A 20030617; CN 03813826 A 20030617; DE 60319374 T 20030617; EP 03760049 A 20030617; ES 03760049 T 20030617; FR 0207487 A 20020618; FR 0301830 W 20030617; JP 2004512930 A 20030617; KR 20047020163 A 20030617