

Title (en)

DEVICE FORMING PACKAGING FOR VISCOUS PRODUCTS, WHICH CAN BE FULLY EMPTIED BY MEANS OF MANUAL PUMPING

Title (de)

VORRICHTUNG ZUM BILDEN EINER VERPACKUNG FÜR VISKOSE PRODUKTE, DIE DURCH MANUELLES PUMPEN VOLLSTÄNDIG AUSGELEERT WERDEN KANN

Title (fr)

DISPOSITIF FORMANT UN CONDITIONNEMENT DE PRODUITS VISQUEUX A VIDAGE INTEGRAL PAR POMPAGE MANUEL

Publication

EP 1549567 A1 20050706 (FR)

Application

EP 03798217 A 20030923

Priority

- FR 0302797 W 20030923
- FR 0211799 A 20020924

Abstract (en)

[origin: US2006163287A1] A packaging which enables a compressible container to be fully emptied by pressing the fingers against the body thereof. The packaging has four parts, namely: a body having a vent hole, a container with a discharge hole, a flexible pouch and a cap. The aforementioned flexible pouch retracts and moves back completely until it is applied against the inner wall of the container. When the user exerts pressure on the body of the packaging while blocking the vent hole with a finger, all of the contents are discharged from the flexible pouch gradually and without effort, by compressing the air contained in the body. The device can be adapted to all compressible packaging for liquid, viscous or pasty products.

IPC 1-7

B65D 83/00

IPC 8 full level

B65D 83/00 (2006.01); **B05B 11/00** (2006.01)

CPC (source: EP US)

B65D 83/0055 (2013.01 - EP US); **B65D 2231/001** (2013.01 - EP US)

Citation (search report)

See references of WO 2004028924A1

Cited by

WO2012136935A1; WO2017162958A1

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 2006163287 A1 20060727; **US 7641078 B2 20100105**; AT E467578 T1 20100515; AU 2003276365 A1 20040419; CA 2499894 A1 20040408; CA 2499894 C 20110531; CN 100494009 C 20090603; CN 1684880 A 20051019; DE 60332546 D1 20100624; EP 1549567 A1 20050706; EP 1549567 B1 20100512; ES 2346054 T3 20101008; FR 2844773 A1 20040326; FR 2844773 B1 20050128; JP 2006500295 A 20060105; PT 1549567 E 20100818; WO 2004028924 A1 20040408

DOCDB simple family (application)

US 52917903 A 20030923; AT 03798217 T 20030923; AU 2003276365 A 20030923; CA 2499894 A 20030923; CN 03822827 A 20030923; DE 60332546 T 20030923; EP 03798217 A 20030923; ES 03798217 T 20030923; FR 0211799 A 20020924; FR 0302797 W 20030923; JP 2004539129 A 20030923; PT 03798217 T 20030923