

Title (en)

Pump-type packaging unit for a liquid or semi-liquid product

Title (de)

Mit einer Pumpe versehene Verpackungseinheit für ein flüssiges oder halbflüssiges Produktes

Title (fr)

Ensemble de conditionnement d'un produit liquide ou semi liquide du type à pompe

Publication

**EP 0899213 B1 20010502 (FR)**

Application

**EP 98401861 A 19980721**

Priority

FR 9710708 A 19970827

Abstract (en)

[origin: EP0899213A2] The container has a pump (30) which is actuated by a pusher (34) with a thrust surface (48). The pusher is connected to the outlet (9) by a flexible tube (41) so that the outlet remains fixed relative to the container (10) when the pump is operated. The liquid product is held in a reservoir (12) inside the container.

IPC 1-7

**B65D 83/16**; **B05B 11/00**

IPC 8 full level

**B65D 83/76** (2006.01); **B05B 11/00** (2006.01); **B65D 83/16** (2006.01)

CPC (source: EP US)

**B05B 11/0056** (2013.01 - EP US); **B05B 11/1015** (2023.01 - EP US); **B65D 83/206** (2013.01 - EP US)

Cited by

US6543653B2; FR2904612A1; FR2818167A1; EP1118554A1; FR2802187A1; FR2948345A1; FR2900645A1; FR3031506A1; FR2919278A1; WO2016110641A1; WO2007128933A1; WO0144076A3; EP1996486B1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**EP 0899213 A2 19990303**; **EP 0899213 A3 19990707**; **EP 0899213 B1 20010502**; DE 69800746 D1 20010607; DE 69800746 T2 20010830; ES 2158651 T3 20010901; FR 2767799 A1 19990305; FR 2767799 B1 20000512; JP 2986459 B2 19991206; JP H11124189 A 19990511; US 6089410 A 20000718; US RE44710 E 20140121

DOCDB simple family (application)

**EP 98401861 A 19980721**; DE 69800746 T 19980721; ES 98401861 T 19980721; FR 9710708 A 19970827; JP 24086398 A 19980826; US 13866698 A 19980824; US 98672001 A 20011109