

Title (en)

One-piece container for preserving in a separated condition and mixing at least two products

Title (de)

Einteiliger Behälter zur getrennten Aufbewahrung und Mischung von mindestens zwei Produkten

Title (fr)

Récipient monocorps, pour le conditionnement séparé et le mélange d'au moins deux produits

Publication

EP 0790190 A1 19970820 (FR)

Application

EP 97400061 A 19970114

Priority

FR 9601884 A 19960215

Abstract (en)

The container comprises a body (1) with a main cavity (1.1) for a first product, and a second cavity (2.1) inside the first, closed by a cap (2). The main cavity is closed by a sealing lid (3). The body is of a thermoplastic material such as polyethylene, polypropylene, or an ethylene-propylene copolymer made by thermal moulding or injection. The secondary cavity incorporates a central projection (2,3) which pushes off its cap when a finger pressure is applied to it from below, enabling the two products to mix. In variants of the design the secondary cavity's cap can be attached to the main lid, or the secondary cavity can be in the form of an additional container attached to the inside of the main lid, with a projection on the base forming its cap.

Abstract (fr)

L'invention a pour objet un récipient, pour le conditionnement séparé et le mélange d'au moins un produit de base (1.2) et d'au moins un produit secondaire (2.2), en un seul corps (1), muni d'un bouchon interne (2) et d'une pellicule (3) et qui peut être fabriqué dans des conditions économiques intéressantes. <IMAGE>

IPC 1-7

B65D 25/08; **B65D 81/32**

IPC 8 full level

B65D 25/08 (2006.01); **B65D 81/32** (2006.01)

CPC (source: EP US)

B65D 25/08 (2013.01 - EP US); **B65D 81/3216** (2013.01 - EP US); **Y10S 215/08** (2013.01 - EP US)

Citation (applicant)

- FR 2283064 A1 19760326 - OREAL [FR]
- FR 2396701 A1 19790202 - ASTRA LAEKEMEDEL AB [SE]
- EP 0417998 A1 19910320 - MERCK & CO INC [US]
- US 4410085 A 19831018 - BENEZIAT ALAIN [FR], et al
- FR 2602752 A1 19880219 - OREAL [FR]
- WO 9523744 A1 19950908 - SOPEOGLOU ALEXANDER [GR]

Citation (search report)

- [XY] FR 1224465 A 19600624 - DOMECH & CIE
- [YD] US 4410085 A 19831018 - BENEZIAT ALAIN [FR], et al
- [A] US 2764983 A 19561002 - PIUS BARASCH HANS, et al
- [A] FR 2658484 A1 19910823 - LENOIR ALAIN [FR]
- [A] FR 2176562 A1 19731102 - PROMOFARM INTERNAL [CH]
- [A] WO 8908590 A1 19890921 - FLUEGGER AS [DK]

Cited by

GB2331976A; US7163102B2; WO9928210A1; WO2007043088A1; WO03006323A3

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0790190 A1 19970820; **EP 0790190 B1 19991013**; BR 9700217 A 19981103; CN 1065197 C 20010502; CN 1169942 A 19980114; DE 69700608 D1 19991118; DE 69700608 T2 20000210; ES 2140186 T3 20000216; FR 2744991 A1 19970822; FR 2744991 B1 19980320; JP 2974632 B2 19991110; JP H09221141 A 19970826; JP H11193032 A 19990721; MX 9701055 A 19980531; US 5893452 A 19990413

DOCDB simple family (application)

EP 97400061 A 19970114; BR 9700217 A 19970207; CN 97104896 A 19970214; DE 69700608 T 19970114; ES 97400061 T 19970114; FR 9601884 A 19960215; JP 2944197 A 19970213; JP 30605198 A 19981027; MX 9701055 A 19970211; US 80010197 A 19970213