

Title (en)

Mixing device for storing and dispensing a mixture of two products which are separated from each other before the dispensing operation

Title (de)

Mischvorrichtung zum Lagern und zur Abgabe einer Mischung von zwei, von der Abgabe von einander getrennten, Produkten

Title (fr)

Dispositif mélangeur pour le conditionnement et la distribution d'un mélange de deux produits isolés l'un de l'autre avant l'opération de distribution

Publication

EP 0603021 B1 19960904 (FR)

Application

EP 93402867 A 19931126

Priority

FR 9215012 A 19921214

Abstract (en)

[origin: EP0603021A1] A device for mixing at least two products (11, 21) each contained in a container (10, 20), one of the containers (10), or first container, having a volume designed to receive the product (21) contained in the other container (20), or second container, in order to obtain the mixture (41) of the two products (11, 21), the first container (10) including, in its upper part, a push-button (15) which is fitted with a nozzle (16) and whose actuation makes it possible to expel the mixture (41) from the first container (10) through the nozzle (16). The two containers (10, 20) are carried by a common casing (30) in which they are mounted so as to slide between two positions, namely a so-called separation distance in which the two containers (10, 20) are not in communication, and a so-called combination position in which the two containers (10, 20) are in communication. The casing (30) prevents any action on the push-button (15) of the first container (10) in the separation position and allows action on the said push-button (15) in the combination position. Communication means (17, 18, 22) which can be closed off are provided between the two containers (10, 20). <IMAGE>

IPC 1-7

B65D 83/66; **B05B 11/00**

IPC 8 full level

B65D 47/06 (2006.01); **B05B 11/00** (2006.01); **B65D 81/32** (2006.01); **B65D 83/14** (2006.01); **B65D 83/16** (2006.01); **B65D 83/28** (2006.01); **B65D 83/42** (2006.01); **B65D 83/58** (2006.01)

CPC (source: EP US)

B05B 11/0032 (2013.01 - EP US); **B05B 11/1084** (2023.01 - EP US); **B65D 83/42** (2013.01 - EP US); **B65D 83/56** (2013.01 - EP US); **B65D 83/682** (2013.01 - EP US)

Cited by

FR3041330A1; WO9618556A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0603021 A1 19940622; **EP 0603021 B1 19960904**; DE 69304500 D1 19961010; DE 69304500 T2 19970123; ES 2090922 T3 19961016; FR 2699151 A1 19940617; FR 2699151 B1 19950310; JP H06199368 A 19940719; US 5387034 A 19950207

DOCDB simple family (application)

EP 93402867 A 19931126; DE 69304500 T 19931126; ES 93402867 T 19931126; FR 9215012 A 19921214; JP 31381593 A 19931214; US 16154493 A 19931206