

Title (en)

Aerosol package.

Title (de)

Aerosol-Verpackung.

Title (fr)

Emballage pour aérosol.

Publication

EP 0063759 A2 19821103 (DE)

Application

EP 82103211 A 19820416

Priority

- DE 3116282 A 19810424
- DE 8112183 U 19810424

Abstract (en)

1. Aerosol package with two separate chambers (5, 6), each equipped with at least one respective valve (7, 8, 9), for different components (A, B) to be intermixed in use, in which the intermixing takes place through common actuation of a respective valve (8, 9) of each of the chambers (5, 6), with an arrangement one above the other of an upper chamber (5) receiving a first component (A) substantially free of pressure as well as a lower chamber (6) receiving a second component (B) together with a quantity of propellant gas substantially adequate for the expulsion of the component mixture (A, B), as well as with a connecting channel (10) between the chambers, which is to be opened with the aid of a mother-daughter valve arrangement, which consists of a base valve (8) of the upper chamber (5) as well as a head valve (9) of the lower chamber (6) and is to be actuated through a mechanical movement of the chambers (5, 6) each towards the other, and with an independently actuatable head or delivery valve (7) of the upper chamber (5), characterised thereby, that the chambers (5, 6) are arranged in a common container (1) each to be movable relative to the other, that the upper chamber (5) consists of synthetic material or aluminum and receives the lower chamber (6) in a prolongation, that a riser pipe (13) reaching substantially up to the chamber base is associated with the head valve (9) of the lower chamber and that the upper chamber (5) contains an additional shaking space which amounts to 5 to 50% of the volume of the mixture of both the components (A, B).

Abstract (de)

Die Aerosol-Verpackung besitzt zwei getrennte, mit mindestens je einem Ventil (7 bis 9) ausgerüstete Kammern (5, 6) für bei Gebrauch zu vermischende, unterschiedliche Komponenten (A, B). Vor Gebrauch soll nur die eine Kammer (6) Treibgas enthalten. Die Lösung besteht in der übereinander-Anordnung der Kammern (5, 6) und gleichzeitigen Verbindung über ein durch Gegeneinanderdrücken der Kammern zu öffnendes Mutter-Tochter-Ventilsystem (8, 9) und ein getrennt zu betätigendes Kopfventil (7) der oberen Kammer (5).

IPC 1-7

B65D 83/14

IPC 8 full level

B05B 7/04 (2006.01); **B65D 83/14** (2006.01)

CPC (source: EP US)

B65D 83/42 (2013.01 - EP US); **B65D 83/682** (2013.01 - EP US)

Cited by

EP0129823A3; EP0855350A1; FR2758537A1; US5894958A; EP0269068A3; DE3640199A1; EP2062616A1; EP1645264A1; EP0603021A1; FR2699151A1; US5387034A; EP1426306A1; WO2004052751A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)

US 4988017 A 19910129; AT E21873 T1 19860915; AU 547953 B2 19851114; AU 8297182 A 19821028; CA 1192878 A 19850903; DE 3116282 A1 19821111; DE 3272977 D1 19861009; DE 8112183 U1 19820826; DK 139682 A 19821025; EP 0063759 A2 19821103; EP 0063759 A3 19830316; EP 0063759 B1 19860903; FI 73941 B 19870831; FI 73941 C 19871210; FI 821077 A0 19820326; FI 821077 L 19821025; JP S57187059 A 19821117; NO 156779 B 19870817; NO 156779 C 19871125; NO 821029 L 19821025

DOCDB simple family (application)

US 86103886 A 19860508; AT 82103211 T 19820416; AU 8297182 A 19820423; CA 401329 A 19820420; DE 3116282 A 19810424; DE 3272977 T 19820416; DE 8112183 U 19810424; DK 139682 A 19820326; EP 82103211 A 19820416; FI 821077 A 19820326; JP 6556582 A 19820421; NO 821029 A 19820326