

Title (en)

Container for spraying liquids and method of manufacturing it

Title (de)

Behälter zum Verstäuben von Flüssigkeiten und Verfahren zur Herstellung desselben

Title (fr)

Conditionnement de pulvérisation, procédé de fabrication

Publication

EP 0732276 B1 19970122 (FR)

Application

EP 96400351 A 19960220

Priority

FR 9503012 A 19950315

Abstract (en)

[origin: EP0732276A1] The cylindrical liquid spray container (1) has an aluminium body (2) and a plastic cap (3). The body consists of a compartment (4) containing liquid (5) and a separate compartment (6) containing propellant gas (7). A piston (8) with a toroidal joint (9) contained within the internal wall (17) separates the two compartments. The cap protects a spray assembly constituted by a valve (10) on which is inserted a control rod (11). The rod has a shoulder (12) on which is supported a peg (13) with an orifice and a channel (14) discharging into a liquid spray nozzle (15). The cap has a push button (16) for operating the spray. On the internal wall are regularly spaced scratches (18) extending to a depth of 30 μ m into the wall. These scratches are obtained by brushing the wall with a rotating metal hair brush. The scratches ensure sealing between the piston and the wall. The propellant gas and liquid are sealed from each other by means of scratches in the container internal wall avoiding the use of varnish coatings normally used for this purpose.

IPC 1-7

B65D 83/64

IPC 8 full level

A61M 11/02 (2006.01); **B05B 9/04** (2006.01); **B05B 11/00** (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)

B65D 83/64 (2013.01 - EP US)

Cited by

US6039222A; CN107810143A; EP4410706A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0732276 A1 19960918; EP 0732276 B1 19970122; AR 001235 A1 19970924; AT E148067 T1 19970215; CA 2171674 A1 19960916; CA 2171674 C 19991207; DE 69600002 D1 19970306; DE 69600002 T2 19970507; DK 0732276 T3 19970714; ES 2100103 T3 19970601; FR 2731683 A1 19960920; FR 2731683 B1 19970418; JP 2710607 B2 19980210; JP H08257122 A 19961008; PL 313250 A1 19960916; US 5775549 A 19980707; US 5971228 A 19991026

DOCDB simple family (application)

EP 96400351 A 19960220; AR 33574796 A 19960314; AT 96400351 T 19960220; CA 2171674 A 19960313; DE 69600002 T 19960220; DK 96400351 T 19960220; ES 96400351 T 19960220; FR 9503012 A 19950315; JP 5811696 A 19960314; PL 31325096 A 19960314; US 406598 A 19980108; US 59692596 A 19960313