

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  $\mu$ 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.

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**B65D 83/64**

IPC 8 full level

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