

Title (en)
Pressurized package.

Title (de)
Druckpackung.

Title (fr)
Récipient sous pression.

Publication
EP 0432343 B1 19940223 (DE)

Application
EP 90104896 A 19900315

Priority
DE 3940601 A 19891208

Abstract (en)
[origin: JPH03187874A] PURPOSE: To manufacture a container in a relative easy manner, enable a higher degree of filling and at the same time to enable filled liquid to be atomized completely by a method wherein a clearance is sealed, and when a product container is vacant, it is substantially filled with gas of substantial pressure Pmin and an amount of liquid is filled in the product container in such a manner that gas stored in the clearance may reach a substantial pressure Pmax . CONSTITUTION: Air is filled in a clearance 3 between a product container 1 and a hollow cylinder 2. When the product container 1 is vacant, air is pressurized in advance to a pressure Pmin . The pressure Pmin enables the most suitable injection of liquid 4 stored in the product container 1 to be carried out under a normal use when an injection valve 9 is operated. In view of this fact, a required pressure is related to the type of liquid 4 to be atomized and this is defined by a simple test. In order to cause it to be usable state, the atomized liquid is fed into the product container of a prepared pressure gas container and then a pressure of the air stored in the clearance 3 is increased. Increasing of the air pressure is continued until it reaches the pressure Pmax where the most suitable atomized condition is attained. Reaching of this pressure Pmax causes the hollow cylinder pressurized in advance to the value Pmin to become a predetermined maximum expansion state.

IPC 1-7
B65D 83/62; **B65D 83/00**

IPC 8 full level
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CPC (source: EP US)
B65D 83/0061 (2013.01 - EP US); **B65D 83/62** (2013.01 - EP US)

Cited by
FR2703980A1; US11008739B1; DE4333627C2; DE202017002628U1; WO2009032771A3; US8844774B2; US9556012B2

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