

Title (en)
VALVE FOR PRESSURIZED CONTAINER.

Title (de)
VENTIL FÜR UNTER DRUCK STEHENDE BEHÄLTER.

Title (fr)
SOUPAPE POUR RESERVOIR SOUS PRESSION.

Publication
EP 0041521 A1 19811216 (DE)

Application
EP 80902388 A 19801205

Priority
• DE 2949666 A 19791211
• DE 7934759 U 19791211

Abstract (en)
[origin: US4477001A] PCT No. PCT/DE80/00181 Sec. 371 Date Aug. 11, 1981 Sec. 102(e) Date Aug. 11, 1981 PCT Filed Dec. 5, 1980 PCT Pub. No. WO81/01696 PCT Pub. Date Jun. 25, 1981. A valve for pressurized containers with a closing member which is movable toward a valve seat and engages thereon in a rest position or closing position is proposed. The valve includes a bushing which is fixedly inserted into the container and partly surrounds a sliding sleeve which at its upper end is provided with the valve seat and includes at its lower inner end a plurality of recesses. Connected to the bushing are a plurality of arms wherein each of the arms is guided through a respective one of the recesses. A rod which is disposed centrically and slidable within the bushing and the sliding sleeve and which on its upper end is provided with the closure member is in connection at its lower end with each of the arms so that upon downward movement of the sliding sleeve the arms are moved radially outwardly and the valve is opened. Since the bushing has a certain elasticity and an elastic return force, the valve is closed when no pressure is exerted on the sliding sleeve so that the bushing is moving the arms in its original position and closes the valve again.

Abstract (fr)
Soupape pour bombe aerosol. Elle comporte un boitier (24), qui est fixe solidement, par une ouverture, dans une paroi du reservoir. Un manchon coulissant (12) se trouve concentriquement a l'interieur du boitier (24) et peut coulisser a l'interieur de celui-ci. A son extremite exterieure, ce manchon est ouvert et forme le siege de soupape (16). Ce siege de soupape peut etre obtenu au moyen d'un element de fermeture (42). Cet element de fermeture est monte sur une barre (40) placee concentriquement a l'interieur du manchon coulissant (12) et du boitier (24). L'extremite inferieure de cette barre est reliee d'une piece avec le boitier (24) au moyen de bras disposes radialement (36); ces bras penetrant par des ouvertures faites dans le fond du manchon coulissant (12). En appuyant sur le manchon coulissant (12), celui-ci appuie sur les bras (36) et libere l'element de fermeture (42). Par ce moyen, on supprime la force necessaire pour la fermeture, produite par l'elasticite du bras (36).

IPC 1-7
B65D 83/14

IPC 8 full level
B65D 83/14 (2006.01); **B65D 83/16** (2006.01); **B65D 83/36** (2006.01); **F16K 31/44** (2006.01)

CPC (source: EP US)
B65D 83/207 (2013.01 - EP US); **B65D 83/48** (2013.01 - EP US)

Designated contracting state (EPC)
FR

DOCDB simple family (publication)
US 4477001 A 19841016; DE 2949666 A1 19810619; DE 7934759 U1 19800417; EP 0041521 A1 19811216; EP 0041521 B1 19830413; GB 2076900 A 19811209; GB 2076900 B 19830615; IT 1136218 B 19860827; IT 8012751 A0 19801210; JP S56501721 A 19811126; WO 8101696 A1 19810625

DOCDB simple family (application)
US 29320781 A 19810811; DE 2949666 A 19791211; DE 7934759 U 19791211; DE 8000181 W 19801205; EP 80902388 A 19801205; GB 8124699 A 19801205; IT 1275180 A 19801210; JP 50016280 A 19801205