

Title (en)
Aerosol valve safety device.

Title (de)
Betriebssicherheitseinrichtung für Aerosolventil.

Title (fr)
Dispositif d'actionnement de sécurité pour valve aérosol.

Publication
EP 0120739 A2 19841003 (FR)

Application
EP 84400362 A 19840223

Priority
FR 8303077 A 19830225

Abstract (en)
[origin: US4572410A] A push button (2) is slidably and rotatably mounted in a sleeve (1). The push button is fitted to the valve-operating rod (28) of an aerosol valve (25) fitted in the opening of an aerosol can (26) by means of a dish (22). The inside edge of the dish is crimped to the valve and its outside edge is crimped to the edges of the can. The sleeve has an internal collar (3) which is snap fitted over the neck where the inside edge of the dish is crimped to the valve. Since the sleeve thus engages the valve rather than the can, sleeve size and shape is independent of the size and shape of the can (in so far as there are relatively few valve sizes used in a wide range of can shapes and sizes). Further, by crimping the neck (22c) so that its periphery is polygonal, the sleeve can be prevented from rotating. A safety push button requiring both a turning action and an axial displacement for operation, can thus readily be operated with one hand since there is no need to use the other hand to stop the sleeve from rotating.

Abstract (fr)
Le dispositif comporte une douille 1 dans laquelle peut tourner et coulisser un bouton poussoir (2) emmanché sur la tige de soupape (28) d'une valve (25) montée dans l'ouverture d'un bidon (26) au moyen d'une capsule (22). Le bord interne de la capsule est serti sur la valve et le bord externe est serti sur l'ouverture du bidon. La douille comporte une collerette interne (3) encoquetée sur le sertissage interne de la capsule sur la valve. La dimension de la douille est ainsi indépendante de la dimension et de la forme du bidon. Avec un sertissage polygonal (22c) de la capsule sur la valve, on peut obtenir un blocage en rotation de la douille. On ne risque pas de faire tourner la douille avec le bouton, quand on fait tourner celui-ci, pour le mettre hors de la position de sécurité.

IPC 1-7
B65D 83/14

IPC 8 full level
B65D 83/14 (2006.01); **B65D 83/16** (2006.01)

CPC (source: EP US)
B65D 83/205 (2013.01 - EP US); **B65D 2215/04** (2013.01 - EP US)

Cited by
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Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
US 4572410 A 19860225; AT E34150 T1 19880515; DE 3471078 D1 19880616; EP 0120739 A2 19841003; EP 0120739 A3 19850807; EP 0120739 B1 19880511; FR 2541749 A1 19840831; FR 2541749 B1 19860822

DOCDB simple family (application)
US 58162284 A 19840221; AT 84400362 T 19840223; DE 3471078 T 19840223; EP 84400362 A 19840223; FR 8303077 A 19830225