

Title (en)
Nozzle for dispensing a foaming product.

Title (de)
Düse zum Abgeben eines Schaumproduktes.

Title (fr)
Embout pour distribuer un produit moussant.

Publication
EP 0244293 A1 19871104 (FR)

Application
EP 87400853 A 19870415

Priority
FR 8606273 A 19860430

Abstract (en)
[origin: EP0244293B1] 1. An end fitting for dispensing a foaming product contained in a pressurised container (2) provided with a valve with an emergent stem carried by a valve cup (4), the said end fitting comprising a fixing element ensuring its hold on the container (2) and a dispensing element which is movable in relation to the said fixing element, the dispensing element comprising, on the one hand, an internal bore (9) intended to receive the emergent stem of the valve in a leakproof manner, and on the other hand, a dispensing tube (7) whose internal duct communicates with the bore (9), the top of the emergent stem (10) of the valve occupying in the bore (9) a first level, called the lower, when the dispensing element is not subjected to any action by a user, and a second level, called the upper, when a user is acting on the dispensing element to produce the dispensing, characterised in that in the lower wall of the said bore (9), there is arranged at least one groove (11) whose top is disposed between the above mentioned upper and lower levels and whose base issues above the valve cup (4) in a zone of the bore (9) which is not obturated by the stem (10) of the valve.

Abstract (fr)
L'embout (1) pour distribuer un produit moussant contenu dans un récipient pressurisé (2) équipé d'une valve à tige émergente (10) comporte un élément de fixation (3) assurant son maintien sur le récipient (2) et un élément de distribution mobile. Ce dernier comporte un alésage intérieur et un tube de distribution (7). Dans la paroi inférieure de l'alésage est ménagée au moins une cannelure dont le sommet est disposé entre les niveaux supérieurs et inférieurs occupés par la tige émergente (10) et dont la base débouche au-dessus de la coupelle de valve (4). Application aux récipients pressurisés.

IPC 1-7
B65D 83/14

IPC 8 full level
B65D 47/06 (2006.01); **B65D 83/14** (2006.01); **B65D 83/16** (2006.01); **B65D 83/40** (2006.01)

CPC (source: EP US)
B65D 83/205 (2013.01 - EP US)

Citation (search report)

- [A] FR 2453794 A3 19801107 - ADM SPA [IT]
- [A] US 3406878 A 19681022 - KOTUBY PAUL M
- [A] FR 2476034 A3 19810821 - ADM SPA [IT]
- [A] FR 2086738 A5 19711231 - CIZERON GEORGES
- [A] FR 1099584 A 19550907 - ELEKAL
- [A] US 2981446 A 19610425 - CAMPBELL ALBERT B

Cited by
EP0939039A1; FR2775262A1; US5158206A; EP0420561A1; BE1004397A3; EP0581158A3; EP4168323A4; US6202899B1; EP2444160A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)
EP 0244293 A1 19871104; EP 0244293 B1 19890726; AT E44930 T1 19890815; DE 244293 T1 19880225; DE 3760356 D1 19890831; ES 2000163 A4 19880101; ES 2000163 B3 19900101; FR 2598101 A1 19871106; FR 2598101 B1 19880805; GR 3000115 T3 19901129; GR 880300045 T1 19881018; JP H0555388 B2 19930816; JP S62260665 A 19871112; US 4901891 A 19900220

DOCDB simple family (application)
EP 87400853 A 19870415; AT 87400853 T 19870415; DE 3760356 T 19870415; DE 87400853 T 19870415; ES 87400853 T 19870415; FR 8606273 A 19860430; GR 880300045 T 19880520; GR 890400104 T 19890727; JP 10488687 A 19870430; US 3874787 A 19870415