

Title (en)  
Closure cap.

Title (de)  
Verschlusskappe.

Title (fr)  
Capuchon de fermeture.

Publication  
**EP 0457245 B1 19940928 (DE)**

Application  
**EP 91107730 A 19910513**

Priority  
DE 4015480 A 19900514

Abstract (en)  
[origin: US5240149A] The invention relates to a closure cap (5) having a dispensing opening (6) for containers with flexible walls, which can be pressed together by hand for the dispensing of spray product which is in connection with the dispensing opening (6) by means of a dip tube (7). Upstream of the dispensing opening (6) is an outlet valve (8), which is open when there is positive pressure in the container, whereas an air-admitting opening (9) is assigned an air-admitting valve (10), which is open when there is negative pressure in the container. By virtue of the outlet valve (8) upstream of the dispensing opening (6), the readmission of air to the container and consequently the risk of sucking in through the dispensing opening (6) substances contaminating the container content is prevented. Maintaining the quality of the spray product in the container is ensured by virtue of the air-admitting opening (9), separate from the dispensing opening (6), and the air-admitting valve (10), which opens only when there is negative pressure in the container.

IPC 1-7  
**B05B 11/04**; **B65D 47/20**

IPC 8 full level  
**B05B 11/04** (2006.01); **B65D 47/20** (2006.01)

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Cited by  
DE4403082C1; DE19916643A1; US5447258A; EP3090956A1; WO2014122048A1; US9694375B2; US10029268B2

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