

Title (en)  
Plastic screw cap for pressurized bottles

Title (de)  
Kunststoffschraubverschluss für unter Druck stehende Flaschen

Title (fr)  
Capuchon à vis en plastique pour bouteilles sous pression

Publication  
**EP 0529383 B1 19970604 (DE)**

Application  
**EP 92113565 A 19920808**

Priority  
DE 4128474 A 19910828

Abstract (en)  
[origin: EP0529383A2] The present invention relates to a plastic screw cap for bottles, in particular for pressurised beverage bottles, consisting of a basically cylindrical outer surface (1) with an internal thread (1a) and of a substantially circular top plate (2) onto whose inner side (2a) a thin, annular sealing strip (3) is integrally moulded, and at the transition of said sealing strip to the cylindrical outer surface (1) a bead (4) is provided on the inner side for pressing the sealing strip (3) against the upper, outer edge (8a, b) of a bottle neck (7). In order to provide a plastic screw cap with the features mentioned above, whose leaktightness is guaranteed in an improved manner even in the case of considerable overpressure in a bottle, it is proposed according to the invention that the bead (4) has an at least approximately cylindrical inner wall (6) which is concentric to the closure axis and whose diameter is slightly larger than the outer diameter of the upper edge (8a) of the bottle neck, that the sealing strip (3) is of substantially cylindrical construction, and that the outer diameter of the sealing strip is approximately equal to the outer diameter of the edge of the bottle neck. <IMAGE>

IPC 1-7  
**B65D 41/04**

IPC 8 full level  
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**B65D 41/0428** (2013.01)

Cited by  
WO2006063607A1; US7850029B2; DE19820266A1; FR2828173A1; EP1873077A1; EP2800710A4; CN109661569A; US8393483B2; WO9957032A1; USD833278S; EP1985549A1; WO03011699A1; WO2008000826A1; US7611025B2; US9975669B2; US6325226B1; EP2800710B1

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