

Title (en)
Screw cap with safety ring

Title (de)
Schraubverschluss mit Sicherheitsring

Title (fr)
Bouchon à vis avec bague de sécurité

Publication
EP 1923319 B1 20130612 (EN)

Application
EP 07120438 A 20071112

Priority
IT MI20062181 A 20061114

Abstract (en)
[origin: EP1923319A1] Herein described is a closure cap for a container (48), of the type comprising a capsule (10) of a substantially cylindrical shape, threaded internally, provided with a side wall (14) on the lower edge (16) of which a plurality of frangible link elements (18) are provided connecting the lower edge (16) of the capsule (10) to the upper edge (20) of a safety ring (12). On the upper edge (20) of the safety ring (12) there is, made in one piece with the safety ring (12), one or more teeth (22) projecting in axial direction upwards towards the side wall (14) of the capsule (10). The upper portion of each tooth (22) is positioned in shape coupling within a corresponding cavity (24) provided on the side wall (14) of the capsule (10) at its lower edge (16). Each cavity (24) is provided with a bottom wall (26) extending in the axial direction of the cap and against which the related tooth (22) abuts preventing the capsule (10) and the safety ring (12) from being subjected to related movements in the radial direction of the cap such to cause damage to one or more of the link elements (18).

IPC 8 full level
B65D 41/34 (2006.01)

CPC (source: EP)
B65D 41/3433 (2013.01)

Cited by
CN109476406A; AU2017278159B2; WO2017212454A1; US10947015B2

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EP 07120438 A 20071112; IT MI20062181 A 20061114; RU 2007141756 A 20071113; UA A200712491 A 20071112