Title (en)

PLASTIC CONTAINER WITH A NECK PROVIDED WITH A FLAT TAMPER-PROOF CLOSURE AND A CAP, AND METHOD FOR OPENING IT

Publication

EP 0192011 B1 19880420 (FR)

Application

EP 85420223 A 19851210

Priority

FR 8419102 A 19841211

Abstract (en)

[origin: EP0192011A1] 1. A container (1) with a neck (5) composed of plastics material and provided with a cap (12) composed of plastics material, the neck (5) being topped by an inviolability cover (9) and the cap (12) comprising a key (14 + 16) with internal raised areas, said key (14 + 16) fitting said cover (9) when the cap (12) covers the neck (5), and rotation of said cap (12) allowing rupture of the cover (9), characterised by all the following four means : a) the inviolability cover (9) comprises a smooth lateral surface (11) ; b) the plastics material of the cap key (14 + 16) is harder than the plastics material of the cover (9) ; c) the internal raised areas of the cap key (14 + 16) terminate with tapered edges (16) having, in a section perpendicular to the common axis (L) of the cover (9) and of the cap key (14 + 16) an end angle of between 7 and 20 C ; d) at least over a certain height, the successive circles perpendicular to the common axis (L) and passing through the ends (17) of said tapered edges (16) have diameters (DIAM d) which are from 0.4 to 0.9 mm smaller than the corresponding diameters (DIAM D) of the lateral surface (11) of the cover (9) when said cover (9) is fitted by said cap key (14 + 16).

IPC 1-7

B65D 51/22

IPC 8 full level

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CPC (source: EP)

B65D 51/222 (2013.01); B65D 2251/0015 (2013.01); B65D 2251/0071 (2013.01)

Cited by

FR2670185A1; EP0490792A1; EP0818395A1; EP0410913A1; FR2650253A1; EP0471629A1; FR2665886A1; US5203838A; US6484909B1; WO0100499A1

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