

Title (en)

PLASTIC CLOSURE COMPRISING A DRINKING OR POURING NECK AND FOIL PIERCING DEVICE

Title (de)

KUNSTSTOFF-VERSCHLUSS MIT TRINK- ODER AUSGUSS-STUTZEN UND FOLIENSTECH-EINRICHTUNG

Title (fr)

BOUCHON EN PLASTIQUE POURVU D'UN TUBE POUR BOIRE OU TUBE VERSEUR ET D'UN DISPOSITIF DE PERÇAGE D'OPERCULE

Publication

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Application

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Abstract (en)

[origin: WO2007121601A1] Said plastic closure consists of a lower closure part (4), which forms a drinking and pouring neck (13), in addition to a closure cap (2), which is pivotally connected to the lower closure part (4) by means of a hinge (21). The drinking and pouring neck (13) sits in a planar disc (7), onto which the hinge (21) of the closure cap (2) is formed. Below the disc (7), the drinking and pouring neck (13) is surrounded by a deformable wall (8) that forms a cone or dome, said wall extending obliquely downwards from the neck (13) and being connected to the outer edge of the lower closure part (4). The drinking and pouring neck (13) projects beneath the underside of said deformable wall (8) and the lower edge of said neck forms at least two piercing elements (22). A spacer strip is formed onto the lower edge of the closure cap by means of one or more material bridges (14) that act as predetermined breaking points, (said strip has already been torn off in the accompanying figure). Said spacer band guarantees that the cap has never been opened, surrounding the deformable wall (8) when the cap (2) is closed and resting on the outer edge of the lower closure part (4). The closure cap (2) can only be depressed once the spacer strip (5), which is retained on the lower edge of the closure cap (2) by means of predetermined breaking points, has been torn off, thus depressing the disc (7) and the drinking and pouring neck (13) that passes through the latter and deforming the deformable wall (8). as a result of this action, the sealing foil of the container is pierced and opened.

IPC 8 full level

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CPC (source: EP US)

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