

Title (en)
SCREW-CONNECTION CLOSURE WITH TAMPERPROOF STRIP

Title (de)
SCHRAUBVERSCHLUSS MIT GARANTIEBAND

Title (fr)
FERMETURE À VIS MUNIE D'UNE BANDE D'INVIOLABILITÉ

Publication
EP 2694382 A1 20140212 (DE)

Application
EP 12707521 A 20120229

Priority
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Abstract (en)
[origin: WO2012136417A1] In the case of screw-connection closures (1) with a pouring nozzle (2), on which a screw-connection cap (3) with a tamperproof strip (4) is placed in position, predetermined breaking point bridges (40) provided between the tamperproof strip (4) and screw-connection cap (3) are exposed to the risk of being prematurely destroyed during demoulding from the injection mould or when being placed axially in position on the pouring nozzle. According to the invention, posts (24) are arranged as restraining elements on the pouring nozzle (2). They engage in the tamperproof strip (4) prior to initial opening. The tamperproof strip (4) itself has weakened bending zones (43) in regions which are pushed outwards by the posts when being placed axially in position. The predetermined breaking point bridges (40) are arranged where the tamperproof strip (4) crosses over the lower periphery of the screw-connection cap (3) when it is being placed in position and subjected to maximum deformation. It is possible for the tamperproof strip, in addition to the weakened bending zones (43), to have elevated supporting zones (44), whereas the portions (45) located therebetween are of average height.

IPC 8 full level
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CPC (source: EP US)
B65D 41/3428 (2013.01 - EP US); **B65D 50/06** (2013.01 - US); **B65D 2401/15** (2020.05 - EP US)

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