

Title (en)

FILLABLE CAP CLOSURE WITH A FILM SEAL THAT IS OPENED PURELY BY MEANS OF ROTATION OR AXIAL PRESSING

Title (de)

BEFÜLLBARER KAPPEN-VERSCHLUSS MIT FOLIENVERSIEGELUNG, MIT FOLIENÖFFNUNG DURCH REINES DREHEN ODER DURCH REINES AXIALES DRÜCKEN

Title (fr)

FERMETURE À BOUCHON REMPLISSABLE DOTÉE D'UN FILM DE SCELLEMENT, À OUVERTURE DE FILM PAR ROTATION UNIQUEMENT OU PAR PRESSION AXIALE UNIQUEMENT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2017046420A1] The invention relates to a fillable twist cap closure for receiving and film-sealing a liquid or pourable filling in the interior of the closure and for emptying out the filling purely by rotating the twist cap (1). The closure consist of a receiving part (3) which is screwed onto the threaded connection of a container and which comprises a cylinder (7) that is open at the bottom, said cylinder (7) being film-sealed at the bottom, and a cup (2) that can be introduced headfirst into the cylinder (7). All plastic parts (1-3) are made of a steam-absorbing polymer, and piercing and cutting teeth (5) which extend in the axial direction are molded on the lower edge of the cup (2). Guide means (9, 10, 28) on the outside of the cup (2) interact with guide means (8, 12) on the twist cap (1). When the twist cap (1) is rotated, an axial movement of the cup (2) is first produced in order to pierce the film (33) on the receiving part (3). Upon a further rotation, a purely horizontal rotation is then produced in order to cut open the film (33) along the film circumference by less than 360°. Finally, the cup (2) is moved again axially downwards in order to fold open the cut film (33), whereby the contents of the cup fall downwards.

IPC 8 full level

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