

Title (en)

PLASTIC CLOSING DEVICE COMPRISING A CUTTING COLLAR

Title (de)

VERSCHLIESSVORRICHTUNG AUS KUNSTSTOFF MIT SCHNEIDHÜLSE

Title (fr)

DISPOSITIF DE FERMETURE EN PLASTIQUE POURVU D'UN TUBE COUPANT

Publication

EP 2125542 A2 20091202 (DE)

Application

EP 08700534 A 20080129

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Abstract (en)

[origin: WO2008092289A2] The invention relates to a plastic closing device comprising a pouring part (1) for fixing onto packaging, a screw cap (2) that can be screwed onto the pouring part (1) and a self-opening collar (3) in the pouring part (1) that can be moved downwards with a screw action onto the packaging in order to open the latter. The screw cap (2) has a follower (24), which acts on a stop element (36) of the self-opening collar (3) and which, when the screw cap (2) is first opened, moves the self-opening collar (3) inside the pouring part (1) into a lower position onto the packaging in order to open the latter. When the pouring part (1) is subsequently closed by the screw cap (2), the self-opening collar (3) remains in the lower position. The self-opening collar has several cutting and/or piercing elements (32a, 32b) with a substantially quadrangular basic form. Said form is interrupted by a lower longitudinal edge comprising a sloping and a longer and flatter rising region. Said form makes the closing device suitable for various types of packaging.

IPC 8 full level

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CPC (source: EP US)

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Cited by

WO2013107538A1; AU2013283277B2; RU2623990C2; WO2014001507A1; DE102012200717A1; DE102012200717B4; US9738427B2; US10676261B2; US11718457B2

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