

Title (en)
TWIST-OFF CLOSURE FOR CONTAINERS

Title (de)
DREHKLEMMVERSCHLUSS FÜR BEHÄLTER

Title (fr)
FERMETURE DEMI-TOUR POUR RECIPIENTS

Publication
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Application
EP 94931500 A 19941031

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Abstract (en)
[origin: US5722545A] PCT No. PCT/DE94/01280 Sec. 371 Date Apr. 5, 1996 Sec. 102(e) Date Apr. 5, 1996 PCT Filed Oct. 31, 1994 PCT Pub. No. WO95/15892 PCT Pub. Date Jun. 15, 1995A twist-off closure is disclosed for all kinds of containers having a head and a closure cap. The container head has at its top end a sealing lip shaped as a circumferential bead. A steep, multiple-start thread is located below the sealing lip. A fin is arranged between each winding of the steep thread and the container shoulder. The closure cap has a corresponding inner thread that co-operates in the closed state with the fins of the container head causing the closure cap to be clamped, so as to prevent the container from being unintentionally opened by itself. In the closed state, the first part of the windings of the thread of the closure cap engage the fins of the container head, and this is clearly perceived as a pressure point when twisting the cap by hand. All that is required to open and close the closure cap is to twist it through a half turn. The cylindrical inner part of the closure cap forms a movable seal together with the circumferential lip of the container head, preventing the contents of the container from flowing out, so that the tightness of the container is ensured even when the closure cap is only negligently screwed (for example only up to the pressure point). In addition, once the pressure point is reached, the closure cap is reliably prevented from opening by itself.

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