Title (en)

SAFETY CLOSURE CONTAINERS

Publication

EP 0078292 B1 19861029 (EN)

Application

EP 82901509 A 19820511

Priority

- EP 8200100 W 19820511
- NL 8102296 A 19810511

Abstract (en)

[origin: GB2131776A] A safety closure for containers comprises an assembled combination of an inner cap (103) housed in and surrounded by an outer cap (102). The inner cap (103) is provided along its outer circumferential surface or skirt portion (104) with a series of first teeth (106), the inner depending skirt portion of the outer cap (102) is provided with a series of second teeth (107) which can be brough in engagement with the first said teeth (106) by means of a relative coaxial movement of the inner and outer caps. The safety closure can be unscrewed from the container or screwed upon the mouth of the container respectively only by exerting upon the outer cap (102) a downward pressure causing the said teeth (106 and 107) to become interengaged, whereafter the inner cap (103) can be turned. The downward pressure upon the outer cap is resiliently resisted by means of spring elements or lips (118) depending from the upper wall portion (113) of the outer cap (102) which lips (118) are flexing against a wall portion (110) of the inner cap (103) which is located inside the container mouth and which converges annularly. The inner cap (103) is provided with a central cylindrical portion (111) rising up from said annulus (114), said lips (118) being operable in the space between the said cylindrical portion (111) and the inner mouth portion of the inner cap. Said central upper surface (112) of the inner cap (103) being rigidly and integrally connected to the remaining inner cap portion (110) in such a manner as to resist weight loads placed upon the safety closure even if the outer cap surface (113), surrounding the said central portion (112) may be slightly depressed thereby. The surface of said central cylindrical portion (111) being shaped as a central guide to the surrounding edge portion of the outer cap (102) during its coxial movement if downward pressure is exerted. It is preferred to have the surfaces of the upper portions (112, 113) of the inner and outer caps (103, 102) lying in nearly the same horizontal plane to render the safety closure a one piece outlook.

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B65D 55/02

IPC 8 full level

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