

Title (en)
CLOSURE CAP FOR BEVERAGE BOTTLES AND BOTTLES PROVIDED WITH SUCH A CAP

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Application
EP 82890051 A 19820408

Priority
DE 3114613 A 19810410

Abstract (en)
[origin: WO8203612A1] A closure cap (10) of aluminum or the like sheet metal that is formed from a blank and has the configuration of a shallow cylindrical inverted dish, the annular corner juncture (16) between the crown (14) or top and the cylindrical side-wall (12) being rounded to form a fillet (13) for conforming generally to the rounded top of a conventional beverage bottle, a layer of elastomeric sealing compound (18) being disposed in the fillet and extending radially inwardly of the top sufficient to engage the axial end of the bottle to which the closure cap is attached, a generally radially extending rip tab (22) integral with the side wall (12) at the bottom edge (20) thereof and adapted to tear through the cylindrical side wall (12) by a generally circumferencial pull of the user to gain access to the container, there being a rip line (27) which commences at a corner (26) defined by the bottom edge (20) of the cylindrical side wall (12) where it meets the rip tab (22), the rip line (27) extending across the cylindrical side wall (12) to a level which is spaced below the crown (14) or top and continuing around the closure cap (10) at least about half-way and there being also at least one groove (38') in the inner surface of the side wall (12) of the cylindrical dish, which groove (38') does not cross the rising part (28) of the rip line (27). The installed closure cap can relieve excessive interior pressure and reseal itself. In addition, the closure cap (10) and rip tab (22) are constructed to relieve pressure in the container gradually while the rip tab is being pulled to gain access to the container. The closure cap is installed on the container by a collet-like crimping device which in principle of operation differs little from those devices which are known for capping beverage containers but which need not exert the same degree of axial pressure on the closure cap as used in mounting crimped crown types of closure caps.

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