

Title (en)
A CHILD-RESISTANT CLOSURE

Title (de)
KINDERSICHERER VERSCHLUSS

Title (fr)
FERMETURE DE PROTECTION À L'ÉPREUVE DES ENFANTS

Publication
EP 3743351 B1 20220427 (EN)

Application
EP 19704551 A 20190125

Priority
• US 201815881115 A 20180126
• EP 2019051887 W 20190125

Abstract (en)
[origin: WO2019145495A1] A child-resistant closure for a container is provided. The closure comprises outer (15) and inner (25) nested caps each having a top panel (16) and a side skirt (17) depending generally peripherally therefrom. The outer cap loosely generally encompasses said inner cap to allow relative rotary and axial movement therebetween. The outer and inner caps having corresponding drive formations which can be brought into driving engagement when the caps are moved axially towards one another to a first axial position. The outer cap comprises a plurality of spring members (18) for urging the inner and outer caps axially away from each other to a second axial position. The inner cap comprises a top panel provided with a plurality of ramps (30), the spring members providing a biasing force to maintain said outer and inner caps in the second axial position and drivingly engaging the ramps in the second axial position so as to drive the outer and inner caps together in a screwing direction, but slipping over the ramps freely in an unscrewing direction. Downward pressure on the outer cap is used to overcome the spring finger bias to move the caps to the first axial position to allow unscrewing of the closure using the inner and outer cap drive formations. The external surface of the inner cap side skirt includes a plurality of substantially full height axial ribs (20) for allowing venting when the outer and inner caps are initially assembled together. The inner cap drive formations comprise a plurality of castellations 34 which upstand from the inner cap top panel, and each full height axial rib connects to a castellation.

IPC 8 full level
B65D 50/04 (2006.01)

CPC (source: EP)
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Cited by
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