

Title (en)  
Improvements in child-resistant container closure assemblies

Title (de)  
Kindersicherer Originalitätsverschluss

Title (fr)  
Fermeture inviolable à l'épreuve des enfants

Publication  
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Application  
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- EP 92915179 A 19920710
- GB 9114871 A 19910710
- GB 9120264 A 19910923
- GB 9122097 A 19911017
- GB 9124872 A 19911122
- GB 9125397 A 19911129
- GB 9126242 A 19911211
- GB 9201494 A 19920124
- GB 9209299 A 19920430
- GB 9209374 A 19920430
- GB 9209420 A 19920430
- GB 9210194 A 19920512
- US 79694691 A 19911122

Abstract (en)  
The invention relates to improved child-resistant container closure assemblies comprising a container neck and a closure. The closure comprises an inner part (350) and an outer part (310), whereby the outer part (310) must be axially displaced relative to the inner part (350) by pressing down on the outer part (310) in order to unscrew the closure from its fully secured position on the container neck. The risk of accidental unscrewing of the closure without depression of the outer closure part is reduced by the provision of a first retaining means on the container neck and a second retaining means (358) on the inner closure part (350). The first and second retaining means engage at said fully secured position, and resist loosening of the closure from the fully secured position until a predetermined minimum release torque is applied to the inner closure part (350).  
<IMAGE>

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IPC 8 full level  
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Citation (search report)

- [PDY] WO 9118799 A2 19911212 - BEESON & SONS LTD [GB]
- [YA] US 5020681 A 19910604 - KUSZ MAXIMILLIAN [US]
- [DA] US 3944102 A 19760316 - GRAU HERMANN
- [A] US 4957210 A 19900918 - KUSZ MAXIMILLIAN [US]

Cited by  
FR2775959A1; EP0963916A1; AU2003288277B2; US9586738B2; WO2004054890A1

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