

Title (en)

Piercing system for a sealed package

Title (de)

Perforationsvorrichtung für eine versiegelte Verpackung

Title (fr)

Dispositif de perforation pour un emballage scellé

Publication

EP 1293441 A1 20030319 (EN)

Application

EP 01307813 A 20010913

Priority

EP 01307813 A 20010913

Abstract (en)

A cam activated piercing system 1 for a container 2, particularly a container of medicament, such as eye drops. The piercing system comprises an attachment portion 3 which remains stationary with respect to the container 2, a piercing member 4 which can move axially and rotationally within the attachment portion 3 and a closure cap 5 for reclosing the container after use. Complimentary ratchets 6,7 are provided on the attachment portion 3 and piercing member 4. When the closure cap 5 and piercing member 4 are first applied to the container 2, the ratchets 6,7 slip over one another allowing the piercing member 4 to rotate with the closure cap 5. However, when the closure cap is first unscrewed from the container 2, the ratchets 6,7 engage, preventing rotation of the piercing member 4 and the rotation of the closure cap 5 causes axial movement of the piercing member 4 by means of the interaction of the cam arrangement. <IMAGE>

IPC 1-7

B65D 51/22

IPC 8 full level

B65D 51/22 (2006.01)

CPC (source: EP)

B65D 51/227 (2013.01); **B65D 2251/0015** (2013.01); **B65D 2251/0056** (2013.01); **B65D 2251/0087** (2013.01)

Citation (applicant)

- EP 0328652 B1 19920826
- WO 9962776 A1 19991209 - CROWN CORK & SEAL TECH CORP [US], et al

Citation (search report)

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- [Y] WO 0105674 A1 20010125 - CROWN CORK & SEAL TECH CORP [US], et al
- [A] US 5141133 A 19920825 - NINOMIYA SATORU [JP], et al
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- [DA] WO 9962776 A1 19991209 - CROWN CORK & SEAL TECH CORP [US], et al

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