

Title (en)

Device for forming a fracture slit in a pilferproof ring in screw caps made of plastics.

Title (de)

Vorrichtung zur Ausformung des Schlitzes eines abreissbaren Garantiebandes für eine Verschlusskappe aus Kunststoffmaterial.

Title (fr)

Dispositif pour former une ligne de fracture dans un anneau d'inviolabilité pour un bouchon à vis en matière plastique.

Publication

EP 0619168 A1 19941012 (EN)

Application

EP 94100776 A 19940120

Priority

IT BO930025 A 19930129

Abstract (en)

The device for forming a fracture slit in the pilferproof ring (3) in screw caps (1) made of plastics has a mandrel (22) on which the cap (1) is placed. The mandrel (22) is provided with teeth (30) that engage retaining teeth (9) formed inside the ring (3) whereby to cause the cap (1) to rotate over a cutting blade (18). <IMAGE>

IPC 1-7

B26F 1/20; B65D 41/34

IPC 8 full level

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B26D 7/01 (2013.01); **B26F 1/20** (2013.01); **F23G 5/085** (2013.01); **B26F 2210/04** (2013.01)

Citation (search report)

- [E] DE 9314485 U1 19931216 - CROWN CORK AG [CH]
- [A] US 3824941 A 19740723 - HANNON C
- [A] US 4666053 A 19870519 - CORCORAN MICHAEL E [US], et al
- [A] WO 9213773 A1 19920820 - HUEBNER GMBH & CO MAX [DE]
- [A] GB 2003765 A 19790321 - NAT CAN CORP

Cited by

JPH0985683A; EP0667216A1; CN109866408A; FR2923172A1; US11312544B2; US8490805B2; WO2009068778A3; WO2009060291A1; WO2022125120A1; EP3275623A1; DE102020119383A1; EP3943260A1

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