

Title (en)

Screwcap with tamper evidence band, package provided with such a cap, method of making such a cap and such a package

Title (de)

Schraubkappe mit Originalitäts-Sicherungsband, mit solcher Kappe versehene Verpackung, Verfahren zur Herstellung einer solchen Kappe und solche Verpackung

Title (fr)

Bouchon à vis et bague d'inviolabilité, emballage pourvu d'un tel bouchon, procédé de fabrication d'un tel bouchon et d'un tel emballage

Publication

EP 0641721 B1 20010627 (FR)

Application

EP 94401785 A 19940803

Priority

- FR 9310542 A 19930903
- FR 9313180 A 19931105

Abstract (en)

[origin: US5779075A] PCT No. PCT/FR94/00965 Sec. 371 Date Mar. 27, 1996 Sec. 102(e) Date Mar. 27, 1996 PCT Filed Jul. 29, 1994 PCT Pub. No. WO95/06598 PCT Pub. Date Mar. 9, 1995The invention relates to a screw cap made of a plastics material, the cap comprising a closing portion (3); optional sealing means (7) mounted in or integral with the closing portion (3); and a tamper-proofing ring (8) made in one piece with the closing portion (3). According to the invention, the cap comprises a breakable zone (17) of the outer portion (9) enabling it to be opened on unscrewing the cap (1) leads firstly to an empty space (18) between the outer portion (9) and the skirt (5), which empty space (18) is delimited downstream, with respect to the unscrewing direction of the cap (1), by at least one non-breakable fastening (19) which does not break on unscrewing the cap (1), and which is part of said link means (11), and secondly to a breakable zone (20a), to a cut (20b), or to a gap (20c) in the inner portion (10) so that, on unscrewing the cap (1), the tamper-proofing ring (8) remains associated with the closing portion (3).

IPC 1-7

B65D 41/34

IPC 8 full level

B65D 41/04 (2006.01); **B29C 45/00** (2006.01); **B65D 41/34** (2006.01)

CPC (source: EP KR US)

B65D 41/34 (2013.01 - KR); **B65D 41/3428** (2013.01 - EP US); **B65D 2401/30** (2020.05 - EP US); **B65D 2401/35** (2020.05 - EP US)

Cited by

US6877624B2; DE19613364C1; FR2744988A1; EP0965533A1; ES2142203A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

US 5779075 A 19980714; AT E202529 T1 20010715; BR 9407399 A 19961105; CA 2170881 A1 19950309; CA 2170881 C 20000215; CN 1045273 C 19990929; CN 1115975 A 19960131; DE 69427561 D1 20010802; DE 69427561 T2 20011018; EP 0641721 A1 19950308; EP 0641721 B1 20010627; ES 1028707 U 19950301; ES 2158882 T3 20010916; JP 2820798 B2 19981105; JP H08512016 A 19961217; KR 960704769 A 19961009; SG 52502 A1 19980928; WO 9506598 A1 19950309

DOCDB simple family (application)

US 60501896 A 19960327; AT 94401785 T 19940803; BR 9407399 A 19940729; CA 2170881 A 19940729; CN 94190833 A 19940729; DE 69427561 T 19940803; EP 94401785 A 19940803; ES 9401001 U 19940414; ES 94401785 T 19940803; FR 9400965 W 19940729; JP 50797795 A 19940729; KR 19960701076 A 19960302; SG 1996005254 A 19940803