

Title (en)

TAMPER-PROOF PLASTICS CLOSURE CAP FOR BOTTLES, PARTICULARLY FOR THOSE CONTAINING MINERAL WATER, BEER AND THE LIKE

Publication

**EP 0021036 B1 19850502 (DE)**

Application

**EP 80102801 A 19800521**

Priority

IT 5334079 U 19790618

Abstract (en)

[origin: US4333578A] A bottle cap is provided with a circular inner peripheral relief member that is in opposition to a mating groove in the neck of the bottle. An annular collar is positioned beneath the relief member and is spaced from the neck of the bottle. A bottle opener is used to crack the annular collar to thereby indicate that the cap has been removed.

IPC 1-7

**B65D 41/18**

IPC 8 full level

**B65D 41/18** (2006.01); **B65D 41/48** (2006.01)

CPC (source: EP US)

**B65D 41/48** (2013.01 - EP US); **B65D 2401/20** (2020.05 - EP US)

Citation (examination)

US 2942747 A 19600628 - TOWNS EDWARD J

Designated contracting state (EPC)

AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)

**US 4333578 A 19820608**; AT E13035 T1 19850515; DE 3070571 D1 19850605; EP 0021036 A1 19810107; EP 0021036 B1 19850502; IT 7953340 V0 19790618

DOCDB simple family (application)

**US 16040780 A 19800617**; AT 80102801 T 19800521; DE 3070571 T 19800521; EP 80102801 A 19800521; IT 5334079 U 19790618