

Title (en)

CLOSURE CAP INTERACTING WITH A BOTTLE RECEPTACLE

Title (de)

MIT EINEM FLASCHENBEHÄLTNIS ZUSAMMENWIRKENDE VERSCHLUSSKAPPE

Title (fr)

COIFFE DE FERMETURE COOPERANT AVEC UN RECIPIENT DU TYPE BOUTEILLE

Publication

**EP 1034116 B1 20030319 (DE)**

Application

**EP 98965640 A 19981026**

Priority

- DE 19747426 A 19971028
- DE 19804052 A 19980203
- DE 19815307 A 19980406
- DE 19824714 A 19980603
- EP 9806781 W 19981026

Abstract (en)

[origin: US6609637B1] A closure cap for closing the opening of a bottle container. A neck of the bottle container includes a latching projection. The closure cap includes a latching arm attached to a ring (R), which circumferentially encircles the neck of the bottle container underneath the latching projection. The ring (R) includes a length store (L) and an undergripping projection. The length store allows the ring (R) to be flexed so that the diameter of the ring is large enough to pass over the latching projection. The undergripping projection is located on the upper side of the ring and sits against the latching projection when the ring (R) is in an unflexed position.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

**B65D 41/0414** (2013.01 - EP US); **B65D 41/0471** (2013.01 - EP US); **B65D 41/165** (2013.01 - EP US); **B65D 47/08** (2013.01 - EP US); **B65D 47/0809** (2013.01 - EP US); **B65D 47/123** (2013.01 - EP US); **B65D 51/245** (2013.01 - EP US); **B65D 55/02** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

**US 6609637 B1 20030826**; AT E234766 T1 20030415; AT E314273 T1 20060115; AU 2151499 A 19990517; BG 104389 A 20001229; BR 9813301 A 20000829; BR 9813301 B1 20081118; CA 2307633 A1 19990506; CA 2307633 C 20071113; CZ 20001598 A3 20011212; DE 29823830 U1 20000120; DE 59813321 D1 20060202; DK 1034116 T3 20030721; EE 200000260 A 20010615; EP 1034116 A2 20000913; EP 1034116 B1 20030319; ES 2190135 T3 20030716; ES 2253489 T3 20060601; HK 1054729 A1 20031212; HR P20000244 A2 20001031; HR P20000244 B1 20090228; HR P20060066 A2 20080331; HU 228276 B1 20130228; HU P0004906 A2 20010428; HU P0004906 A3 20010730; IS 5450 A 20000414; NO 20002275 D0 20000428; NO 20002275 L 20000627; PL 192292 B1 20060929; PL 340599 A1 20010212; PT 1034116 E 20030630; PT 1304296 E 20060531; SK 6152000 A3 20001009; TR 200001139 T2 20001121; WO 9921772 A2 19990506; WO 9921772 A3 20000113

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**US 53047400 A 20000711**; AT 02028692 T 19981026; AT 98965640 T 19981026; AU 2151499 A 19981026; BG 10438900 A 20000428; BR 9813301 A 19981026; CA 2307633 A 19981026; CZ 20001598 A 19981026; DE 29823830 U 19981026; DE 59813321 T 19981026; DK 98965640 T 19981026; EE P200000260 A 19981026; EP 9806781 W 19981026; EP 98965640 A 19981026; ES 02028692 T 19981026; ES 98965640 T 19981026; HK 03107104 A 20031002; HR P20000244 A 20000426; HR P20060066 A 20060214; HU P0004906 A 19981026; IS 5450 A 20000414; NO 20002275 A 20000428; PL 34059998 A 19981026; PT 02028692 T 19981026; PT 98965640 T 19981026; SK 6152000 A 19981026; TR 200001139 T 19981026