

Title (en)

SNAP-ON, PLASTIC HINGED CLOSURE IN A SINGLE PIECE.

Title (de)

EINTEILIGER KUNSTSTOFFSCHNAPPSCHARNIERVERSCHLUSS.

Title (fr)

FERMETURE A CHARNIERE A DECLIC EN UNE SEULE PIECE DE MATIERE PLASTIQUE.

Publication

**EP 0640167 A1 19950301 (DE)**

Application

**EP 94907476 A 19940308**

Priority

- CH 70593 A 19930309
- CH 9400049 W 19940308

Abstract (en)

[origin: WO9420713A1] A snap-on, plastic hinged closure in a single piece has a bottom part and a lid interconnected by an integral hinge in the area of the superimposed outer walls of the bottom part and lid, as well as at least one intermediate element that ensures the snap-on effect. The hinge consists of at least two non-intersecting swivelling axes (6). A pressure-resistant tilting element (7) is arranged between two adjacent swivelling axes (6), so that during opening or closing, first the bottom part (1) and the tilting element (7), then the tilting element (7) and the lid (2) partially swivel around the swivelling axis (6).

IPC 1-7

**E05D 1/02**

IPC 8 full level

**E05D 1/02** (2006.01)

CPC (source: EP US)

**E05D 1/02** (2013.01 - EP US)

Citation (search report)

See references of WO 9420713A1

Citation (examination)

- CH-A- 400 820
- DE-A- 1 808 875
- DE-A- 4 031 665
- US-A- 5 128 829

Cited by

DE19955411A1; DE19955411C2; DE19849001A1; DE19849001C2; WO0136286A1; EP1230129B1; WO0044639A1; EP0933304A1; WO9938781A1; US6439410B1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 9420713 A1 19940915**; AT E153730 T1 19970615; CA 2135379 A1 19940915; CA 2135379 C 20020226; CH 687019 A5 19960830; DE 59402892 D1 19970703; DK 0640167 T3 19970929; EP 0640167 A1 19950301; EP 0640167 B1 19970528; JP 3016863 B2 20000306; JP H07506645 A 19950720; US 5558239 A 19960924

DOCDB simple family (application)

**CH 9400049 W 19940308**; AT 94907476 T 19940308; CA 2135379 A 19940308; CH 70593 A 19930309; DE 59402892 T 19940308; DK 94907476 T 19940308; EP 94907476 A 19940308; JP 51943694 A 19940308; US 33570595 A 19950626