

Title (en)
Plastic closure made of one piece

Title (de)
Integral geformter Kunststoffverschluss

Title (fr)
Fermeture en plastique en une pièce

Publication
EP 0933304 B1 20030319 (DE)

Application
EP 98811061 A 19981023

Priority
• CH 22298 A 19980130
• CH 121498 A 19980604

Abstract (en)
[origin: EP0933304A1] The closure consists of a base (1) and a cap (2), connected via a hinge (3). The hinge consists of a moveable part formed as a pressure spring in the central section, and as a length-adjustable traction spring in the side sections. A curved part (43) is located on one side of the part. The material/wall thickness of the moveable part is constant.

IPC 1-7
B65D 47/08

IPC 8 full level
B65D 47/08 (2006.01)

CPC (source: EP US)
B65D 47/0809 (2013.01 - EP US)

Cited by
EP2679265A1; US11707599B2; US11771865B2; US11020561B2; US11666730B2; US12023452B2; US11103676B2; US11813409B2; US11833312B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0933304 A1 19990804; EP 0933304 B1 20030319; AR 018268 A1 20011114; AT E234767 T1 20030415; AU 1478999 A 19990816; CA 2318997 A1 19990805; CO 5090851 A1 20011030; DE 19849001 A1 19990819; DE 19849001 C2 20001012; DE 59807552 D1 20030424; ES 2194295 T3 20031116; JP 2002501864 A 20020122; PT 933304 E 20030731; US 6439410 B1 20020827; WO 9938781 A1 19990805

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EP 98811061 A 19981023; AR P990100367 A 19990129; AT 98811061 T 19981023; AU 1478999 A 19981218; CA 2318997 A 19981218; CH 9800545 W 19981218; CO 99005001 A 19990129; DE 19849001 A 19981023; DE 59807552 T 19981023; ES 98811061 T 19981023; JP 2000530030 A 19981218; PT 98811061 T 19981023; US 60130700 A 20000731