

Title (en)
Easy opening closure

Title (de)
Leicht zu öffnender Verschluss

Title (fr)
Fermeture à ouverture facile

Publication
EP 1686070 A1 20060802 (EN)

Application
EP 05075294 A 20050126

Priority
EP 05075294 A 20050126

Abstract (en)
Presented is a composite closure for jars and bottles comprising a disk shaped inner cap (2) held in position by a ring shaped element (1), with a special feature (3) that reduces the torque needed for unscrewing the closure from the opening of the container. During opening the feature pushes up the disk shaped inner cap overcoming the forces applied between jar or bottle and closure that create the sealing of the package. Because of this the needed torque to open the container is reduced substantially and containers with the new closure are considerably easier to open.

IPC 8 full level
B65D 51/14 (2006.01)

CPC (source: EP)
B65D 51/145 (2013.01)

Citation (search report)
• [XY] US 4473163 A 19840925 - GEIGER EDUARD [CH]
• [X] EP 0667299 A1 19950816 - SAFET EMBAMET [FR]
• [X] US 6220466 B1 20010424 - HAYES THOMAS H [US], et al
• [Y] US 3219223 A 19651123 - HADLEY WILLIAM H, et al

Cited by
WO2009115377A1; EP2228152A1; AU2009226818B2; EA019267B1; EP1918041A1; US11338970B2; US8636161B2; EP3551544A4; US10689164B2; US10683145B2; US11365035B2; WO2008053014A1; EP2253396A1; US8899091B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

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