

Title (en)
SAFETY-CAP BOTTLE ASSEMBLY

Title (de)
ANORDNUNG AUS SICHERHEITSKAPPE UND FLASCHE

Title (fr)
ENSEMBLE BOUTEILLE À BOUCHON DE SÉCURITÉ

Publication
EP 3870519 A4 20221116 (EN)

Application
EP 20888727 A 20201204

Priority
• US 201962945016 P 20191206
• US 2020063252 W 20201204

Abstract (en)
[origin: US2021171249A1] A safety-cap container with a cap assembly that couples with a finish to close the opening into the interior space. The cap assembly includes an outer cap with an outer wall. A spring member extends from an inner face of the upper wall. An inner cap nests within the outer cap. The inner cap includes an outer cylindrical wall with an inner thread configured to engage with the thread of the finish. The inner cap is rotatable with respect to the outer cap and the spring member engages with an upper face of the transverse wall of the inner cap to bias the transverse wall of the inner cap away from the upper wall of the outer cap.

IPC 8 full level
B65D 55/02 (2006.01); **B65D 50/04** (2006.01); **B65D 51/00** (2006.01)

CPC (source: EP US)
B65D 1/0246 (2013.01 - US); **B65D 41/045** (2013.01 - EP); **B65D 41/0485** (2013.01 - EP); **B65D 50/041** (2013.01 - EP US); **B65D 2215/02** (2013.01 - EP)

Citation (search report)
• [X] US 8474634 B1 20130702 - BRANSON MARK K [US], et al
• [A] US 4527701 A 19850709 - SCHAUBECK PAUL E [US]
• [A] EP 3381832 A1 20181003 - OBRIST CLOSURES SWITZERLAND [CH]
• [A] US 3857505 A 19741231 - MUMFORD G, et al
• [A] GB 2142612 A 19850123 - PURESEVIC PETER J
• See references of WO 2021113604A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
US 2021171249 A1 20210610; CA 3116888 A1 20210606; CN 113226940 A 20210806; EP 3870519 A1 20210901; EP 3870519 A4 20221116; MX 2021006576 A 20210707; WO 2021113604 A1 20210610

DOCDB simple family (application)
US 202017112080 A 20201204; CA 3116888 A 20201204; CN 202080006708 A 20201204; EP 20888727 A 20201204; MX 2021006576 A 20201204; US 2020063252 W 20201204