

Title (en)
PLUG CLOSURE

Title (de)
STÖPSELVERSCHLUSS

Title (fr)
BOUCHON DE FERMETURE

Publication
EP 3921245 B1 20220921 (EN)

Application
EP 20700030 A 20200107

Priority
• EP 19155612 A 20190205
• EP 2020050230 W 20200107

Abstract (en)
[origin: WO2020160858A1] A closure (10), especially useful for e-commerce. The closure comprises a lid (16) and a cap base (12) which can be releasably fastened to a container, the cap base including an opening (24). The lid has a depending plug (26) extending therefrom which is received within the opening in the cap base when the lid is in the closed position. The opening is formed within a cylindrical opening wall (88). When the lid is in its open position, extending outwardly from the depending plug at its end distal from the lid are one or more barb flaps (82). As the lid is moved to its closed position with the depending plug within the cylindrical opening wall, the barbs are pushed up against the walls of the plug and are received within a recess in the cylindric opening wall. Within the recess, the bar flaps abut an upper wall of the recess (40) such that extra force is required to open the lid, e.g., during shipping. When the consumer wishes to open the lid, he or she exerts the extra force needed to force the lid open, which causes the barb flaps to assume their original positions extending outwardly from the cylindrical plug.

IPC 8 full level
B65D 47/08 (2006.01)

CPC (source: EP US)
B65D 47/08 (2013.01 - EP); **B65D 47/0838** (2013.01 - US); **B65D 2547/063** (2013.01 - EP US)

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

DOCDB simple family (publication)
WO 2020160858 A1 20200813; BR 112021013012 A2 20210914; CA 3128058 A1 20200813; CN 113329946 A 20210831;
EP 3921245 A1 20211215; EP 3921245 B1 20220921; JP 2022519279 A 20220322; MX 2021009312 A 20210908; US 2022097929 A1 20220331;
ZA 202104710 B 20230125

DOCDB simple family (application)
EP 2020050230 W 20200107; BR 112021013012 A 20200107; CA 3128058 A 20200107; CN 202080010074 A 20200107;
EP 20700030 A 20200107; JP 2021545413 A 20200107; MX 2021009312 A 20200107; US 202017428489 A 20200107;
ZA 202104710 A 20210706