

Title (en)
PACKAGING CONTAINER WITH CLOSURE AND RELEASE MECHANISM

Title (de)
VERPACKUNGSBEHÄLTER MIT SCHLIESS- UND ÖFFNUNGSMECHANISMUS

Title (fr)
RÉCIPIENT D'EMBALLAGE COMPORTANT UN MÉCANISME DE FERMETURE ET DE LIBÉRATION

Publication
EP 3453633 B1 20200805 (EN)

Application
EP 18200262 A 20160422

Priority
• US 201514693270 A 20150422
• EP 16783998 A 20160422
• US 2016028982 W 20160422

Abstract (en)
[origin: WO2016172581A1] A packaging container having a closure and release mechanism is provided having a base section and a cover section, with the cover section adapted to cover the base section when in a closed state. The closure and release mechanism includes at least one first aperture formed within an inner wall segment of the base section and at least one second aperture formed within an outer wall segment of the base section, which is aligned with the at least one first aperture. At least one projection extending inwardly from a side wall portion of the cover section is also provided for engaging the at least one first aperture and the at least one second aperture of the base section. Thus, the closure and release mechanism retains the cover section over the base section and secures the packaging container in a closed position. The at least one projection is released from the at least one first aperture and the at least one second aperture by depressing a deformable flange, thereby opening the packaging container.

IPC 8 full level
B65D 1/34 (2006.01); **B65D 1/30** (2006.01); **B65D 21/02** (2006.01); **B65D 25/02** (2006.01); **B65D 25/04** (2006.01); **B65D 25/10** (2006.01); **B65D 25/22** (2006.01); **B65D 25/24** (2006.01); **B65D 43/16** (2006.01); **B65D 43/22** (2006.01); **B65D 55/02** (2006.01); **B65D 75/56** (2006.01); **B65D 81/32** (2006.01)

CPC (source: EP)
B65D 1/30 (2013.01); **B65D 21/0219** (2013.01); **B65D 25/02** (2013.01); **B65D 25/04** (2013.01); **B65D 25/10** (2013.01); **B65D 25/108** (2013.01); **B65D 25/22** (2013.01); **B65D 25/24** (2013.01); **B65D 43/162** (2013.01); **B65D 55/02** (2013.01); **B65D 75/563** (2013.01); **B65D 81/3294** (2013.01); **B65D 2207/00** (2013.01); **B65D 2251/1025** (2013.01); **B65D 2543/00194** (2013.01); **B65D 2543/00296** (2013.01); **B65D 2543/00527** (2013.01); **B65D 2543/00537** (2013.01); **B65D 2543/00944** (2013.01); **B65D 2575/565** (2013.01)

Cited by
EP4269270A1

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 2016172581 A1 20161027; BR 112017022714 A2 20190219; BR 112017022714 B1 20220531; CA 2977096 A1 20161027; CA 2977096 C 20200630; CN 107428431 A 20171201; CN 107428431 B 20200724; EP 3286094 A1 20180228; EP 3286094 A4 20190213; EP 3453633 A1 20190313; EP 3453633 B1 20200805; MX 2017010485 A 20180620

DOCDB simple family (application)
US 2016028982 W 20160422; BR 112017022714 A 20160422; CA 2977096 A 20160422; CN 201680004085 A 20160422; EP 16783998 A 20160422; EP 18200262 A 20160422; MX 2017010485 A 20160422